

The



# CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

OCTOBER 26 1957

**14 to the dozen!**



3d. SACHET

VAL-PAK  
READY MIXED  
Cream  
Beauty Mask

A new complexion  
in ten minutes!  
2/3d

AK sachets and VAL-PAK tubes.  
same both ways. You pay for 12,  
you receive 14! Order any number you like,  
. There is no minimum order. VAL-PAK  
sing is running NOW! You should  
n stocks to meet the demand.

K APPEARS ON T.V. SCREENS,  
ITION TO BIG NATIONAL NEWSPAPER  
AGAZINE ADVERTISING.

er closes 4th NOVEMBER 1957.

TRADE TERMS

SACHETS :  
6/8d. per dozen

TUBES :  
Quantities under 3 dozen  
12/1d. per dozen  
3 dozen and over  
10/9d. per dozen



**"Grandfather or not —  
I still enjoy a hard  
day's work"**

The ability to enjoy life and go on working in later years is one of man's most cherished possessions. Those of your customers past middle age will agree with the wisdom of ensuring maximum fitness through optimum nutrition. GEVRAL Vitamin-Mineral Capsules provide an excellent means to this end. GEVRAL Capsules contain 13 vitamins and 12 minerals and are a valuable dietary insurance for your customers against nutritional deficiencies in later life due to faulty eating, restricted diets and conditions that lead to poor absorption or utilization of nutrients. They are equally appropriate for those still working and for those who seek a happy, active retirement.

# GEVRAL

VITAMIN-MINERAL SUPPLEMENT

Bottles of 30 Capsules

**dry-filled capsules for more rapid  
and complete absorption . . . no after taste**

\*REGD. TRADE MARK

Each capsule contains :

Vitamin A	5,000 I.U.	Calcium pantothenate	5 mg.	Calcium (As CaHPO <sub>4</sub> )	145 mg.
Vitamin D (Viosterol)	500 I.U.	Choline dihydrogen citrate	100 mg.	Phosphorus (As CaHPO <sub>4</sub> )	110 mg.
Vitamin B <sub>12</sub>	1 microgram	Inositol	50 mg.	Boron (As Na <sub>2</sub> B <sub>10</sub> O <sub>18</sub> H <sub>2</sub> O)	0.1 mg.
Thiamine mononitrate	5 mg.	Ascorbic Acid (C)	50 mg.	Copper (As CuO)	1 mg.
Riboflavin (B <sub>2</sub> )	5 mg.	Vitamin E	10 Units	Manganese (As MnO <sub>2</sub> )	1 mg.
Niacinamide	15 mg.	Rutin	25 mg.	Fluorine (As CaF <sub>2</sub> )	0.1 mg.
Folic Acid	1 mg.	Pyridoxine HCl (B <sub>6</sub> )	0.5 mg.	Magnesium (As MgO)	1 mg.
Purified intrinsic factor concentrate	0.5 mg.	Iron (As FeSO <sub>4</sub> )	10 mg.	Potassium (As K <sub>2</sub> SO <sub>4</sub> )	5 mg.
		Iodine (As KI)	0.5 mg.	Zinc (As ZnO)	0.5 mg.



**LEDERLE LABORATORIES DIVISION**

*Cyanamid OF GREAT BRITAIN LTD., London, W.C.2*

# BRITISH NATIONAL FORMULARY

## 1957

**Ung. Hydrocortison. B.N.F.**  
is a greasy base ointment.

The non-greasy type is,  
however, that most  
favoured by the majority  
of physicians.

For B.N.F. prescriptions  
we have introduced, and  
your wholesaler now  
holds stocks of,  
**"Ung. Hydrocortison.  
(B.N.F.) Roussel"**.



1 Hydrocortisone ointments are now included in the B.N.F. for the first time.

2

Non-greasy Hydrocortisone ointments have not yet been included in view of formulation problems.

3

4

We shall be continuing to promote and supply our HydroCortisyl Skin Ointments, which are non-greasy.

5

6

—in addition to the increasingly popular HydroCortisyl range.

7

# The demand for

## Solprin



reflects a very  
definite trend

More and more Solprin is being prescribed and dispensed. Why? It is an efficient analgesic; but that is not the only reason.

*What Solprin offers* is calcium aspirin in stable form. Dissolved in water (as ordinary aspirin cannot be), Solprin effectively relieves pain, *without producing side effects*.

There can be no risk of gastric irritation from undissolved acid particles—because Solprin is not

merely soluble, but is substantially neutral too.

*Doctors agree* that gastric irritation from acetyl-salicylic acid may be serious. It is to Solprin that they are turning to get analgesic benefit with so much less risk to their patients.

The medical profession is kept constantly aware of the claims of Solprin. This is important. That Solprin reflects a firm trend in medical opinion is more important still.



## SOLPRIN

REGD.

Aspirin in soluble, stable form

*Available in 500-tablet packs*

Solprin is packed in units of 10 tablets (in foil), 50 units to the pack. The N.H.S. basic price for this pack is 12/6. It is available only on prescription and only in Gt. Britain and Northern Ireland.

RECKITT & COLMAN LTD., HULL & LONDON (PHARMACEUTICAL DEPT., HULL)

# the things they do...!

**"How do they get the oil into  
the Seamless Capsule?"**



"Surely, that's  
not possible, Sir ? "

"By Jove ! You're right,  
Sir ! They really are  
seamless and so  
brilliant, too ! "

"The secret's in the new process  
they use—the capsule is  
**made, filled and sealed  
instantaneously !** Hundreds  
of tiny drops a minute."

"That's interesting, but what's  
the advantage for me ? "

"Obvious, isn't it? That **one piece**  
seamless shell must give the contents  
better protection, since it's a really  
perfect hermetic seal. What's more,  
they dissolve so much quicker."

"They're a really fine product,  
Pillby—I always order seamless  
capsules now ! "



*When you next order specify*

**SEAMLESS GELATINE CAPSULES**

**B. & P. LABORATORIES LIMITED**

9 PACKINGTON ROAD • ACTON • LONDON • W.3 • ACORN 6771

# HERE IS A PRICE REDUCTION

*"Skylon"*

THE ORIGINAL  
POLYTHENE  
FEEDING BOTTLES

PATA

Dual Purpose Feeding Bottle Complete  
with Cap & Teat 4/4d. Without Cap 3/4d.  
Boat Shaped Feeding Bottle 2/8d.

Narrow Neck  
Feeding Bottle  
2/6d.

Obtainable from your usual  
Wholesaler.



Improved production methods have enabled us to reduce the price of our unbreakable, lightweight babies' feeding bottles—they are hygienic, tasteless, odourless, and unaffected by foodstuffs—all standard valves and teats fit necks of boat shaped and narrow neck bottles—full sterilizing instructions with each bottle.

By far the best value for this type of Product

F I B R E N Y L E  
L I M I T E D  
ACORN 5073/4



157, DUKE'S ROAD, WESTERN AVENUE, LONDON W.3.

JACW/FB/3

Another 10d profit  
in the Till!

**KEARSLEYS**  
WIDOW WELCH'S FEMALE  
**PILLS**

KEARSLEY'S Pills have proved a very valuable remedy over 150 years for anaemia and lassitude in ladies. Over 10d BOX PROFIT by ordering one dozen of the 4/3 size. 13 to the dozen bonus given.

C. & G. KEARSLEY LTD  
71 DARTMOUTH ROAD LONDON S.E.23

FWS

**'IMPACT'** advertising  
creating new sales records!

**NERVONE**

*The New Nerve Nutrient*

T.V. publicity is now adding impact to the hard selling press and poster campaigns. Your profit is 50% on cost. It will pay you to stock and display 'NERVONE.'

OBtainable FROM WHOLESALEs EVERYWHERE

## BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia from Eucalyptus leaves in accordance with the B.P. specification. W. K. Burnside Pty., Ltd., Melbourne, Australia offer:—

80/85% Rectified B.P.      Eucalyptol B.P.      70/75% Rectified B.P.

Oil Eucalyptus Dives 40/45%      Oil Eucalyptus Dives 90/95%

For the production of Thymol and Menthol

Oil Eucalyptus Phellandra—Phellandrene

For use in Antiseptics and Disinfectants

Agents for U.K.: **WILSON & MANSFIELD, LTD., 15 Philpot Lane, LONDON, E.C.3**

Phone: MANSION HOUSE 9264-5-6

(WHOLESALE ONLY)

Grams: WYFIELD, LONDON

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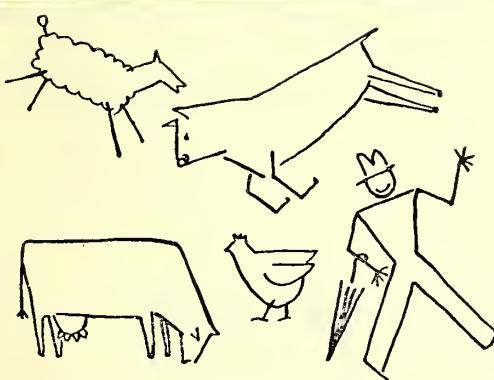
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*Quality controlled  
Technical  
literature available.*

**for pharmaceutical  
use and as human and  
animal food additives**



*Competitively priced—quotations on request.*

THE BRITISH DRUG HOUSES LTD. LONDON N.I.

**ASCORBIC ACID**  
**ACETOMENAPHTHONE**  
**CALCIFEROL**  
**CHOLINE SALTS**  
**DICHLOROPHEN**  
 (Panacide Brand)  
**HEXYLRESORCINOL**  
**MEPHENESIN**  
**MENAPHTHONE**

**MERSALYL**  
**PHENOLPHTHALEIN**  
**SEX HORMONES**  
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*Two absolute winners!*

**THOS. CHRISTY & CO. LTD**

North Lane, Aldershot, Hants.

**Dr. Page Barker.** Everyone knows that name. It stands for quality. And it is quality and reputation that ensure repeated sales.

Dr. Page Barker's Scurf and Dandruff Lotion and D.43 Shampoo are known for their unfailing reliability in keeping the scalp clean and healthy. And healthy hair means hair with lustre and looks.

Stocking these popular lines, means that you have a share in the prestige and the profits!

A Page Barker Showcard, that will catch the customer's eye and remind him of his need is available on request.

presenting



## the winners!

### STA-BLOND AND BRUNITEX GLAMOROUS HAIR COMPETITIONS • 1957



#### THE RETAIL TRADE WINNERS

*MISS STABLOND, Valerie Scott of Boots Cash Chemists, Fawcett Street, Sunderland, and MISS BRUNITEX, Audrey Partridge of W. Smith & Co. Ltd., High Street, Abingdon, winners of the Stablond Brunitek special competition to select a Fairhead and a Brunette representative from the retail chemist trade to accompany the "Queens" on their entertainment-packed gala weekend in Luxembourg.*

#### THE NATIONAL QUEENS

*Stablond Queen of Fairheads, Diana Francombe of Brighton and Brunitek Queen of Brunettes, Heather Downham of Hatch End, Middlesex, winners of the Radio Luxembourg "Top Twenty" Glamorous Hair Competition, about to board the K.L.M. airliner at London Airport. The Queens, who were selected from thousands of entrants, are wearing their ball-gown prizes and regalia.*

SALES INCREASES were noticeable throughout the whole of the competition period—now, it is certain that more and more girls all over the country will turn to STA-BLOND or BRUNITEX in order to have glamorous hair—particularly when they see the national press ads. of these 'Queens'.

Keep your stock up—Always have good supplies of

**STA-BLOND**



**BRUNITEX**

**ASIAN  
FLU IN  
CHILDREN**

*Distributed by*

*Manufactured by*

*Your customers will welcome the special merits of*

**'MINOR' ASPIRIN**

*Safe Soluble Aspirin for Children*

SOOTHES PAIN, REDUCES TEMPERATURE

Flavoured · Sweetened · So easy to take

Acid Acetylsalicyl 1½ gr.

Acid Citric      ¼ gr.

Calcium Carbonate ⅓ gr.

Tubes of 50 tablets RETAIL 1/7 inc. tax.

TRADE 10/10 doz. + 3/3 tax.

Dispensing Pack (500) 6/- each.

**TREVENA LIMITED**

MURRAY HOUSE, BARBICAN, LONDON, E.C.1

**GREENFORD CHEMICALS LIMITED**

PERIVALE, GREENFORD, MIDDLESEX

**At a time like this  
remember**

**FORMACAIN**

SURFACE ANAESTHESIA THROAT TABLETS

**RAPID RELIEF FROM THROAT DISCOMFORT**

For sore throat, tonsillitis, laryngitis,  
pharyngitis, painful swallowing, etc.

Benzocaine ¼ gr., Orthocaine ½ gr., Codein. Phos. 1/24th gr., Paraformaldhyde 3/20th gr.,  
Menthol 1/24th gr. Flavouring and Sugar Base to 15½ gr.

Tubes of 20 Tablets RETAIL 2/8½ inc. tax.

TRADE 18/- doz. + 5/5 tax.

Dispensing Pack (500) 28/- each.

*Distributed by*

FASSETT & JOHNSON LIMITED  
86 CLERKENWELL RD. LONDON E.C.1

*Manufactured by*

TERAPEUTIC PRODUCTS LIMITED  
PERIVALE GREENFORD MIDDLESEX

# This 'invisible skin' protects hands for all work — WET or DRY



EASY AND PLEASANT to use, 'Savlon' 2-Purpose Barrier Cream forms an invisible skin which protects hands against moisture, dirt, grime, grease, oil and detergents. More and more housewives are realising the practical advantages of 'Savlon' 2-Purpose because it is the *single* cream which will protect their hands in all kinds of work, both wet *and* dry.

Retail price 3/- a tube (including purchase tax).

Well-aimed consumer advertisements are currently appearing in the fashionable magazines  
**WOMAN'S ILLUSTRATED · QUEEN  
 GOOD HOUSEKEEPING · HOMES AND  
 GARDENS · IDEAL HOME · WOMAN'S JOURNAL**

Showcards and counter displays  
 are available on application

# Savlon 2 - purpose Barrier Cream





Messrs. May & Baker, Ltd.  
request the pleasure

**M&B**

brand

**WE INVITE ENQUIRIES  
FOR ANY BARBITURATES**

*Here is a selection from our wide range:*

ALLOBARBITONE B.P.C. · ALLYLISOPROPYLBARBITURIC ACID · AMYLOBARBITONE  
 B.P.C. · AMYLOBARBITONE SODIUM B.P.C. · BARBITONE B.P. · BARBITONE SODIUM B.P.  
 CYCLOBARBITONE B.P.C. · CYCLOBARBITONE CALCIUM · HEXOBARBITONE B.P.  
 HEXOBARBITONE SODIUM B.P. · METHYLPHENOBARBITONE B.P. · PHENOBARBITONE  
 B.P. · PHENOBARBITONE SODIUM B.P. · QUINALBARBITONE · QUINALBARBITONE  
 SODIUM B.P. · SEC-BUTOBARBITONE · SEC-BUTOBARBITONE SODIUM

**Barbiturates**



PHA998

*MANUFACTURED BY MAY & BAKER LTD · DAGENHAM · TEL: ILFORD 3060 · EXT 317*



**Hold everything!**



THE METAL BOX COMPANY LIMITED  
Plastics Group  
37 Baker Street • London W.1 • Hunter 5577

Poly-Tainers are unbreakable,  
colourful, light in weight  
and economical.

They are supplied  
in a wide range  
of attractive shapes and sizes  
with dispenser attachments  
to spray, drop, puff or pour.

Individual designs  
can be produced  
to meet your particular needs,  
with your brand name  
either embossed or printed  
in a variety of colours.

**Poly-Tainer**

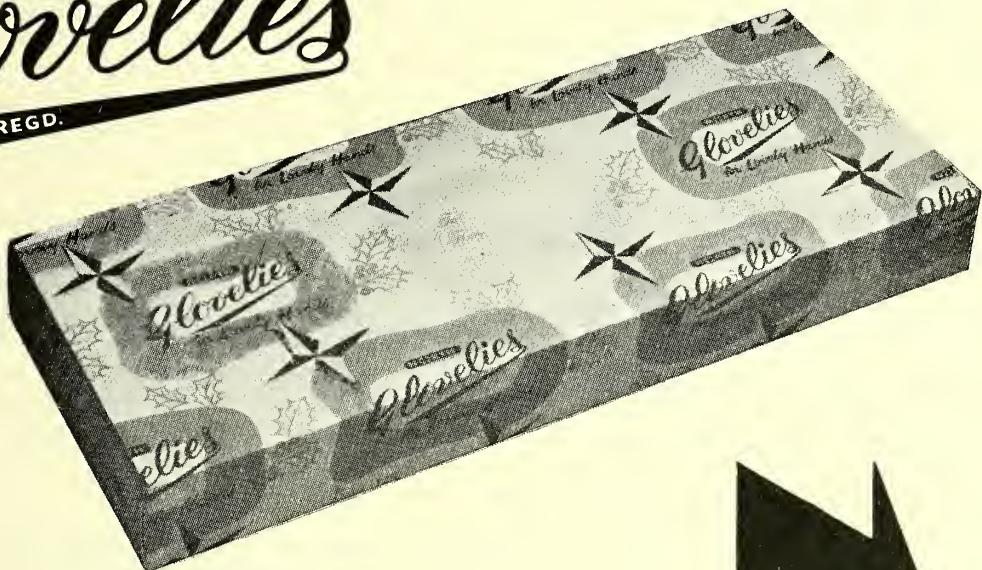


# CHRISTMAS-BE READY

## WITH GIFT WRAPPED

*Glovelies*

REGD.



EVERY year more and more "Glovelies" are given as Christmas gifts. To meet this demand we are enclosing the normal "Glovelies" carton in a colourful, easily removable GIFT WRAPPER that will win the instant approval of your customers.

Feature these gay and festive packs in your gift display and Christmas catalogue. Remember, "Glovelies", blue P.V.C. house gauntlets with the KNITTED fabric lining are a strong selling line throughout the year and retail at only 5/8d. per pair.

NATIONALLY ADVERTISED. Biggest ever national magazine advertising campaign will feature GIFT-WRAPPED "GLOVELIES" in WOMAN, WOMAN'S OWN, WOMAN'S ILLUSTRATED, WOMAN & HOME.

Use the reply paid order form overleaf NOW and be ready for the extra demand created for you this year, among 9,500,000 readers.

Also in the North Domestic Glove range: Polka Dot Jersey Gloves, three colours, one size, 3/8d. per pair; White Drill Gloves, one size, 2/6d. per pair; "Northands" P.V.C. gloves for men, 6/11d. per pair.

ORDER  
YOUR  
STOCK  
NOW!

ORDER FORM  
OVERLEAF

JAMES NORTH DISTRIBUTORS LTD., KIRKMAN HOUSE, 54a, TOTTENHAM COURT ROAD, LONDON, W.1  
Telephone : LANGham 4811

Please supply to

Messrs. ....

Address ....

Date ....

**MINIMUM TOTAL ORDER: 1 doz prs**

**GLOVELIES**

- ..... doz prs size SMALL
- ..... doz prs size MEDIUM
- ..... doz prs size LARGE

**NORTHANDS—Gauntlet Cuffs**

- ..... doz prs size 7
- ..... doz prs size 7½
- ..... doz prs size 8½
- ..... doz prs size 9½

**NORTHANDS—Knitted Wrists**

- ..... doz prs size 7
- ..... doz prs size 7½
- ..... doz prs size 8½
- ..... doz prs size 9½

**NORTH POLKA DOT JERSEY GLOVES**

- ..... doz prs Black/White
- ..... doz prs Blue/White
- ..... doz prs Red/White

**NORTH REVERSIBLE DRILL GLOVES**

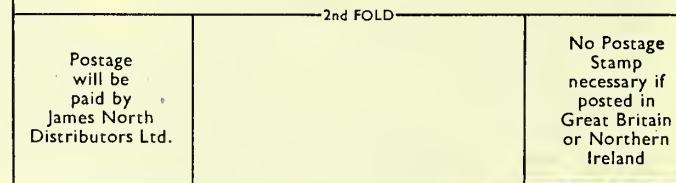
- ..... doz prs Medium size  
only.  
Coloured Wrists

CHRISTMAS PACK AVAILABLE  
FROM 20th OCTOBER

Either a FREE WINDOW-DRESSING  
SERVICE or a METAL SHOWSTAND  
with orders of 6 doz 'Glovelies' and/  
or 'NORTHANDS'

	Trade Price per dozen	P.T.
<b>GLOVELIES</b> ... ... ...	44/0d.	+ 2/2d.
<b>NORTHANDS</b> —both types ...	53/6d.	+ 2/8d.
<b>POLKA DOT</b> ... ... ...	27/0d.	+ 1/4d.
<b>REVERSIBLE DRILL</b> ... ...	19/3d.	+ 1 1/2d.

**RETAIL PRICES—see overleaf**



**BUSINESS REPLY SERVICE**  
Licence No. W.D.2088

**JAMES NORTH DISTRIBUTORS LTD.,**  
**KIRKMAN HOUSE,**  
**54a, TOTTENHAM COURT ROAD,**  
**LONDON, W.I.**

**HOW TO USE THIS ORDER FORM**

Cut out the whole of this page along dotted line, fold as instructed and tuck in with reply-paid address on outside.

# Not Mr. Smith . . .

Mr. Smith loses no opportunities. No, not Mr. Smith. That's part of his success. Give him a dispensing carton or a counter satchel and he will see to it that it does its primary job and at the same time promotes the pharmaceutical services of Mr. Smith.

In the opinion of Mr. Smith, to use 5,000 dispensing cartons and 5,000 counter satchels, *without* his name on them, would represent 10,000 wasted opportunities. So the name of Mr. Smith goes on every one.

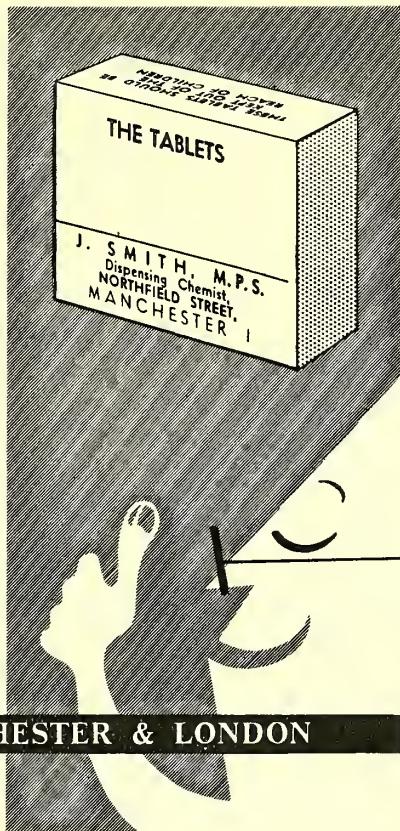
## WHAT HE PAYS

Now see what Mr. Smith pays for his propaganda. The extra cost of own-name printing on 5,000 Certor Dispensing Cartons is but 3/- per 1,000 for most sizes. To have his name printed on 5,000 Certor Counter Satchels (there are several very attractive designs) involves an extra cost of only 3/6 per 1,000. For larger quantities of satchels

the cost is lower. To put over his name 10,000 times thus costs him a mere 3/3 per 1,000.

Mr. Smith pays modestly for his success. You can do the same.

\* Samples of dispensing cartons and counter satchels on request



**MACDONALD & SON LTD. of MANCHESTER & LONDON**

Portland Mill, Ashton-under-Lyne, Lancs. Tel.: Ashton 4422 (10 lines).  
25 Holywell Row, London, E.C.2. Tel.: Bishopsgate 4809 (2 lines).

# It's crystal clear . . .

The more they SEE, the more they BUY

**£12  
COMPLETE**



The beauty of a Martin glass display case is that it shows merchandise of every description to your customers' best advantage. Each individual case, with its gleaming chrome fittings, is tested and guaranteed before delivery. Choose a vertical or sloping showcase and build better business from the moment it is installed.

Unit of two vertical cases and one sloping case. Price per set £12. 0. 0. (Vertical showcase 24" high, 18" wide, 12" deep. Price £4. 5. 0. Sloping showcase 14" high, 36" wide, 12" deep. Price £4. 5. 0. You save 15/- on 3 cases.) Vertical and sloping cases packed separately. All prices carriage paid in Gt. Britain. All packages FREE of charge and NON-returnable.

★ Special orders to customers' own requirements carried out quickly. Quantity orders on application.

**MARTIN'S GLASS DISPLAY CASES**

LOOK INTO IT TODAY—EQUIP YOUR SHOP THE MODERN WAY! Send immediately for fully illustrated leaflet of Martin Display Cases and prices.

Name .....

Address .....

Post to: MARTIN DISPLAY (Dept. CD), 52 Market St., Watford, Herts. Tel: Watford 9287

# COUNTY LABORATORIES LTD

announce the following

prices for

## BRYLCREEM

(EFFECTIVE FROM 1st OCTOBER)

JUNIOR TUB

**2/-**



HANDY TUBE

**3/-**



MEDIUM TUB

**3/-**



Home Dispenser

**9'6**



LARGE TUB

**5'6**



Dispenser Refill

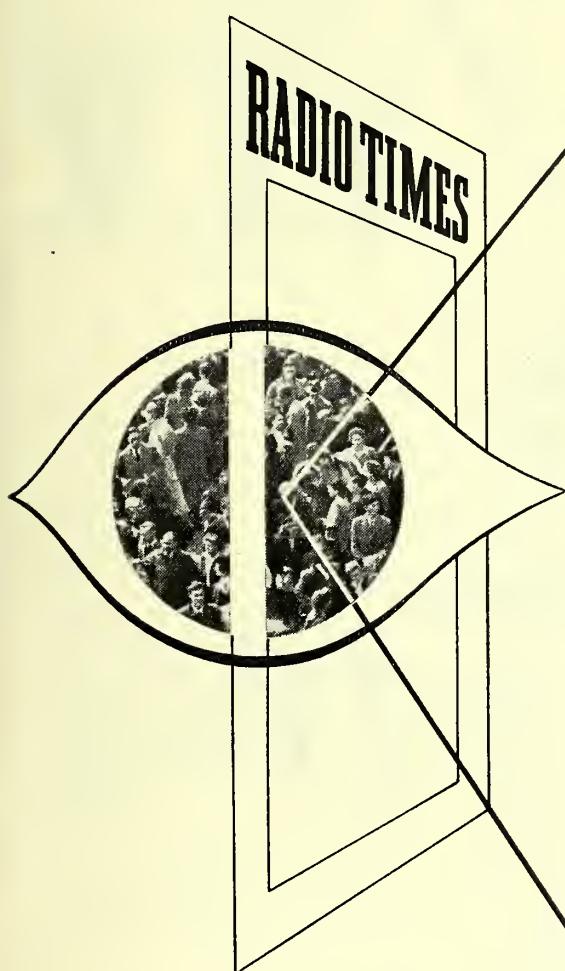
**4'3**



**COUNTY LABORATORIES LTD**

COUNTY BUILDING · HONEYPOD LANE · STANMORE · MIDDLESEX  
WORDSWORTH 4321

# RADIO TIMES focuses millions of eyes on BENGERS



Compelling advertisements such as this full page for BENGERS in RADIO TIMES dated November 1, should have wonderful results. BENGERS is the unique self-digestive food for everyone—especially babies, convalescents, old people, invalids, poor sleepers.

Radio Times has an average weekly net sale of  $8\frac{1}{2}$  million copies.  
Each issue is read by 23 million people. Radio Times is going to  
make BENGERS a nation-wide talking point—and focus eyes on the  
BENGERS FOOD on *your* counter.



Stock and Display goods advertised in **RADIO TIMES!**

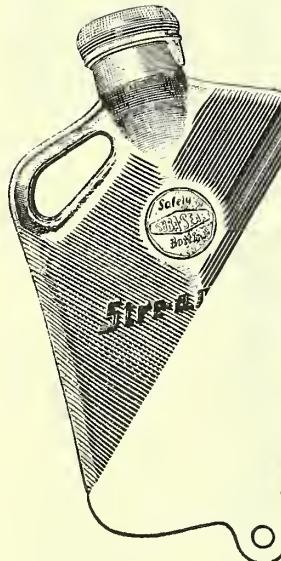
*All enquiries for advertisement space to:*

**Head of Advertisement Department, BBC Publications, 35 Marylebone High Street, London, W.1.**

# N.P.U.



# I.T.V.



**hot water bottle**

**WILL BE ON T.V.**

William Freeman's are participating in the first N.P.U. television publicity scheme on I.T.V. to be featured on London, Midland and North regions during the period November 17th/December 20th. So in addition to the benefit stockists will receive from national press advertising, there will be the

benefit gained from the terrific impact that T.V. advertising makes and of which every chemist knows.

If your Suba-Seal stocks are low take advantage of the information and order new stocks now while deliveries can be maintained.

**THROUGH CHEMISTS ONLY**

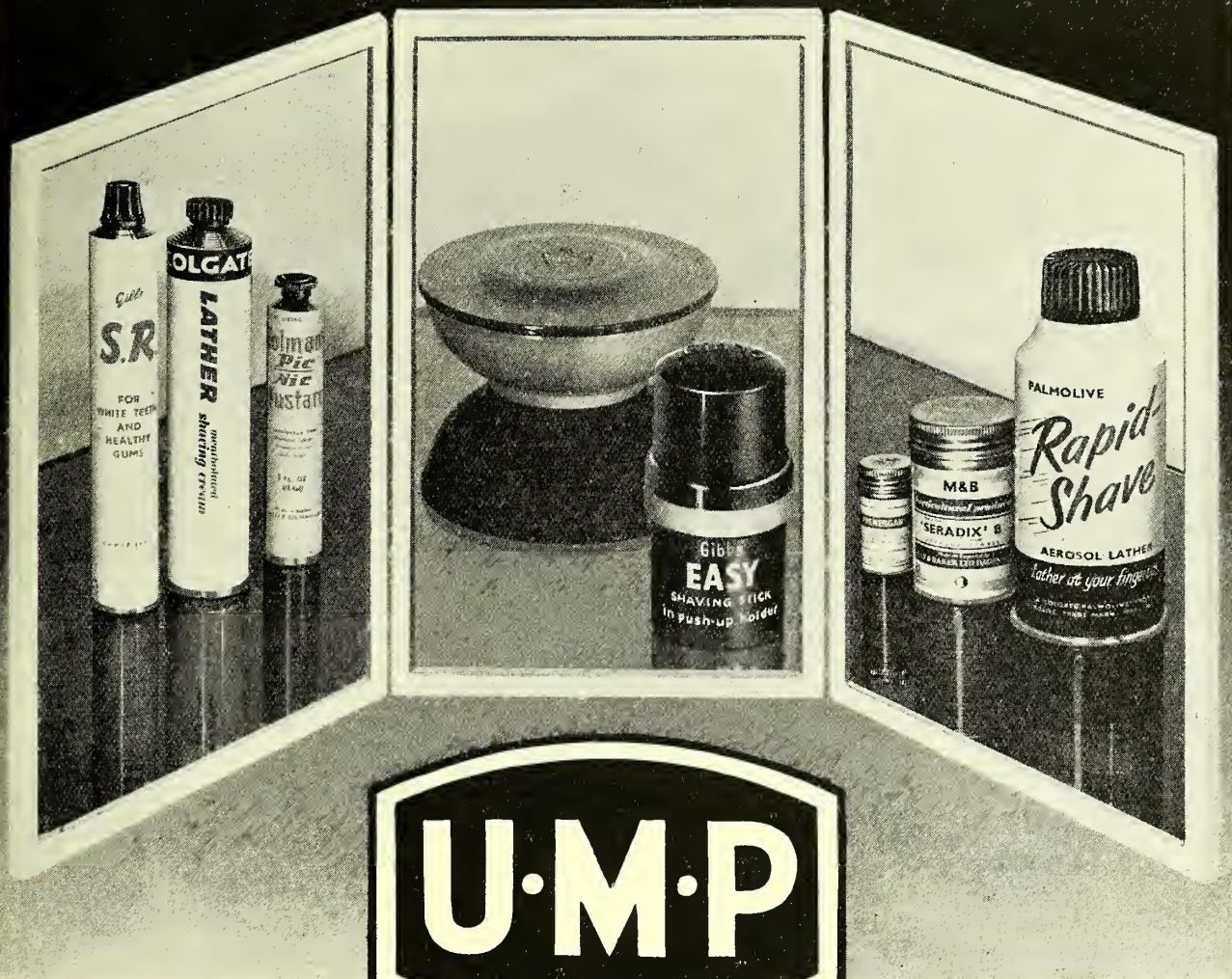
**WILLIAM FREEMAN**  
& COMPANY LIMITED

SUBA-SEAL WORKS, PEEL STREET, BARNSTABLE  
Tel. : Barnsley 4081 Grams. : Suba-Seal, Barnsley

*are going for sales to  
everyone's benefit*

**BUY THE BEST HOT WATER BOTTLE : BUY A SUBA-SEAL**

*Discriminating buyers prefer*



*For Tubes  
and Plastics*

**UNIVERSAL METAL PRODUCTS LTD.**  
SALFORD 6 LANCS. Telephone: PENDLETON 4444  
LONDON OFFICE: ARGYLE HOUSE, 29/31 EUSTON ROAD, N.W.1. TEL. TERMINUS 2073

# The outstanding throat lozenge



## OUTSTANDING BONUS TERMS

Exceptionally generous terms are available for a limited period only. Take this opportunity to lay in full winter stocks at the most advantageous terms ever given. Please ask for details.

*Supplied in special plastic vials of 12 lozenges, list price 2/6, in counter boxes of 12 vials. Exempt Purchase Tax.*

*'Tyrozets' may be sold by Pharmaceutical Chemists without a prescription.*



**'TYROZETS'**

TRADE MARK

MERCK SHARP & DOHME LIMITED, HODDES DON, HERTS

*There's  
far more  
to it  
than  
this!*



## GROUND GUMS

**TRAGACANTH**  
**ACACIA**  
**KARAYA**

ORDER FROM



STAFFORD ALLEN & SONS LIMITED

WHARF ROAD, LONDON, N.I.

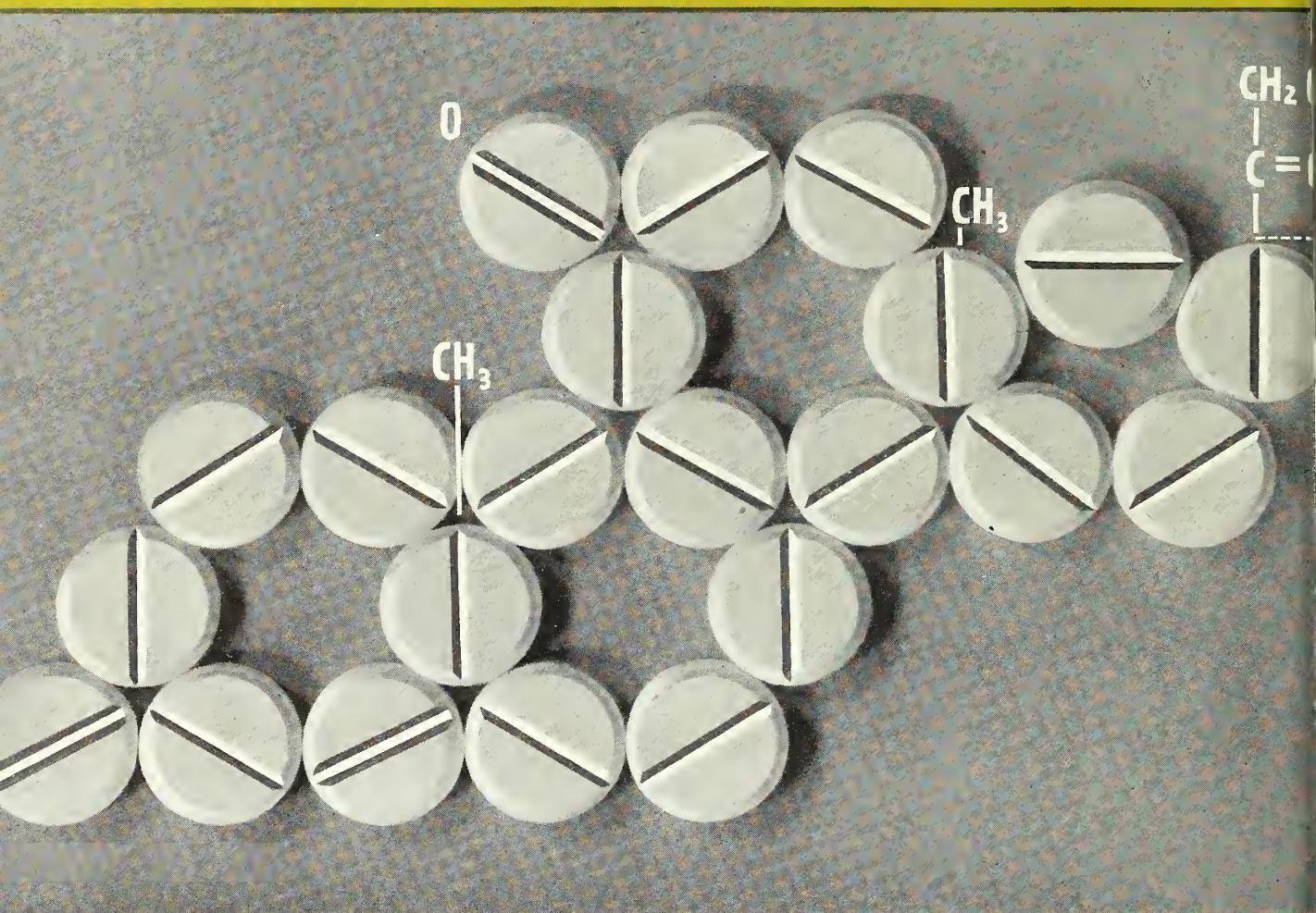
Telephone: CLERkenwell 1000 (7 lines)

**StaffordAllenS**

*The tapping and splitting operation.  
(Photograph by courtesy of Sudan Government Agency)*

There are many steps between the collection of gums under necessarily rather crude native conditions, and the final Stafford-AllenS product, standardised under strict laboratory control.

Whatever your requirements in Tragacanth, Acacia, Karaya, ask our Gums Dept. to quote you for a uniform product carefully selected to meet your individual requirements.



The COX organisation offers extensive manufacturing facilities for the development of formulae and the translation of new chemicals into tablet form.

For excellence of manufacture and the personal services available it is probably unsurpassed anywhere in the world.

C  
O  
X

ARTHUR H. COX & CO. LTD  
BRIGHTON · ENGLAND

**The Foremost Tablet House**

\***34% DISCOUNT ON A  
RUBEFACIENT  
CREAM**

**CREMALGIN Balm provides this generous profit ratio—**

	PER DOZEN
<b>RETAIL PRICE OF 1 oz TUBES</b>	
3/2 (each)	38/-
<b>LESS P.T.</b>	<u>6/3½</u>
<b>LESS TRADE PRICE</b>	31/8½
<b>YOUR PROFIT</b>	<u>21/-</u>
	<b>10/8½</b>

**\*TODAY, TOMORROW AND THROUGHOUT THE YEAR!**

During the coming months, an intensive advertising and mailing campaign to the medical and nursing professions will result in increased business for YOU!

**DISPLAY  
& SELL**

**cremalignin**

Cremalgin Rubefacient Balm is also available in 1 lb. dispensing jars at a trade price of 19/6d. plus 5/10d. P.T.

**STOCK for Prescription and counter demand by ordering your supply from your Wholesaler NOW !**

Monsanto works constantly both to develop new, better chemicals—and to improve those chemicals you already use . . .

ACETYLSALICYLIC ACID B.P.

PHENACETIN B.P.

METHYL SALICYLATE B.P.

VANILLIN B.P.

SALICYLIC ACID B.P.

SALICYLIC ACID (technical)

SALICYLAMIDE

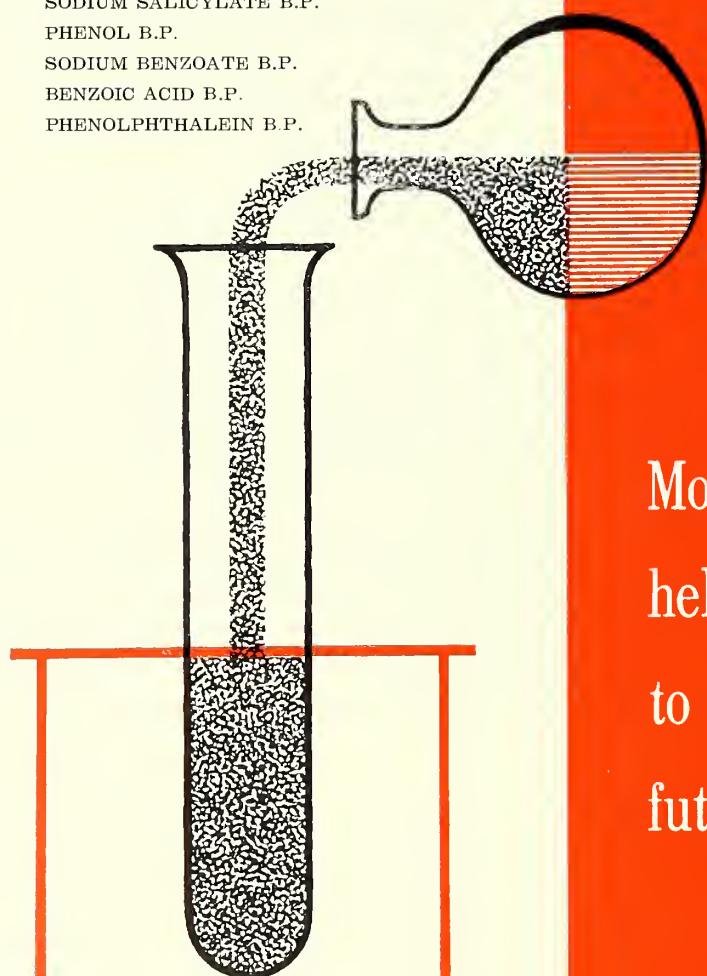
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PHENOL B.P.

SODIUM BENZOATE B.P.

BENZOIC ACID B.P.

PHENOLPHTHALEIN B.P.



Monsanto chemicals  
help industry—  
to bring a better  
future closer



#### **MONSANTO CHEMICALS LIMITED**

**367 Monsanto House, Victoria Street, London, S.W.1  
and at Royal Exchange, Manchester, 2.**

*In association with: Monsanto Chemical Company, St. Louis, U.S.A. Monsanto Canada Ltd., Montreal. Monsanto Chemicals (Australia) Ltd., Melbourne. Monsanto Chemicals of India Private Ltd., Bombay. Representatives in the world's principal cities.*

Regd.



Tap the barometer for a tip on profits. Very soon it will be dizzy trying to cope with autumn's treacherous changing weather, heralding a crop of seasonal ailments. But the long term forecast is sure and steady. It points to Adexolin—and now is the time to profit by it.

Now is the time to tell customers about Adexolin A and D routine—how it reinforces their summer fitness and builds up resistance to the coughs and colds and 'flu that threaten.

Now is the time for them to start the daily routine—2 Adexolin capsules for adults, 12 drops of Adexolin liquid for infants.

Now is the operative, and *Adexolin* the profitable—word.

## ADEXOLIN TRADE MARK

Capsules: 6,000 units vitamin A; 1,000 units vitamin D. Liquid: 12,000 units vitamin A; 2,000 units vitamin D per cc.

CAPSULES	FACE PRICE	TRADE PRICE	LIQUID	FACE PRICE	TRADE PRICE
25	2/-	18/- per doz.	½ oz.	2/-	20/- per doz.
100	6/-	54/- per doz.	2 oz.	5/-	47/- per doz.
1,000	36/-	27/- each	16 oz.	30/-	22/- each
No. 1 Parcel	2 doz. x 25's	£1 12s. od.	No. 4 Parcel	2 doz. x ½ oz. bottles	£1 16s. od.
No. 2 Parcel	1 doz. x 100's	£2 8s. od.	No. 5 Parcel	1 doz. x 2 oz. bottles	£2 2s. od.



GLAXO LABORATORIES LIMITED, GREENFORD, MIDDLESEX. BYRON 3434

Subsidiary Companies or Agents in most countries.

# A pig farmer never forgets



These mailings and advertisements are now in circulation. There are many more ready to follow, supported by a widespread propaganda campaign.

The demand for Imferon (Veterinary) increases daily as more pig farmers realise how much hard cash is lost through piglet anaemia—and that Imferon (Veterinary) is the easiest and most effective protection that they can give. Make sure that you get your share of Imferon custom.



He never forgets Imferon (Veterinary) the new intramuscular iron-dextran complex. It is his protection against the piglet anaemia caused by intensive rearing.

He never forgets Imferon (Veterinary) because he and some tens of thousands other pig farmers continually read and hear about its benefits—in the mail, in the press, by powerful "public relations" activity, and word of mouth.

And if you ask the farmer, he'll tell you, just as he tells his friends, how Imferon (Veterinary) positively prevents piglet anaemia and its profit wasting consequences.

His need is always urgent.

Is your stock of Imferon adequate?

## If the farmer asks YOU...

**Q** I want to protect a litter farrowed yesterday. How much Imferon (Veterinary) do I need and how do I give it?

**A** One vial contains ten 2 c.c. injections—enough to protect ten piglets. Inject at three days old. Full instructions for intramuscular injection are in the box. It's as easy as filling a fountain pen.

**Q** What syringe shall I use? **Q** What needle shall I use?

**A** A normal 10 c.c. syringe. **A** A  $\frac{1}{2}$ ", 20 s.w.g. hypodermic.

**Imferon**  
Iron-Dextran Complex  
**VETERINARY**  
Trade Mark  
**Intramuscular Iron**

BENGER

BENGER LABORATORIES LIMITED, HOLMES CHAPEL, CHESHIRE

A MEMBER OF THE FISONS GROUP OF COMPANIES

The latest research evidence on the value of known preparations for the treatment of gastric disorders is available from us free. This booklet is indispensable reading for manufacturers in this field.

**M.C.P. PURE DRUGS LIMITED**

**86 Strand, London WC2**

Covent Garden 2701



# GALENICALS

## for WINTER DISPENSING



*Manufactured under strict  
supervision from finest  
quality ingredients.*

**RICHARD DANIEL & SON LTD.**  
MANUFACTURING CHEMISTS  
**MANSFIELD ROAD DERBY.** TEL.: 40671(8 lines)  
And at GROSVENOR ST., ASHTON-u-LYNE. Tel.: 2816 (3 lines)



**GEIGY PHARMACEUTICAL COMPANY LTD**

*Announce that*

**THE DESOGEN BONUS OFFER**

**CLOSES ON OCTOBER 31st, 1957**

GEIGY PHARMACEUTICAL CO., LTD., WYTHENSHAWE, MANCHESTER, 23

**TRESS**  
**Now on T.V.**  
 in the  
**LONDON AREA**  
 with  
 actual demonstrations of TRESS by René Luzic  
 —one of the Top Paris Hairdressers—who uses TRESS  
 in his own exclusive Paris Salon

**Over 9,000,000 messages will go into homes in the London Area during this concentrated six weeks T.V. campaign**

This T.V. commercial is going to be different! A fascinating demonstration of the art of a famous French Hairdresser—something that will keep every feminine eye on the screen from start to finish.

And René Luzic will be using Tress—as he always does in his own exclusive Paris Salon. Just the same Tress that you know as one of your biggest selling wave sets.

You can see that it is well worth linking up with this T.V. advertising—using the crowners as shown. And well worth putting in extra Tress stocks to meet the demand that is certain to be created by this unusual T.V. advertising approach.

These neat crowners provide the selling link with this concentrated T.V. campaign. They will be sent shortly to every chemist in the London T.V. area.

As demonstrated on T.V.  
by famous Paris Hairdresser

As demonstrated on T.V.  
by famous Paris Hairdresser



**TRADE TERMS**

**Small size price**

**8/10**

per dozen bottles  
plus 90% tax, selling  
at 1/9 per bottle

**Large size price**

**14/5**

per dozen bottles  
plus 90% tax, selling  
at 2/10½ per bottle

**PUT YOUR EXTRA ORDERS INTO YOUR WHOLESALER NOW!**

**GOLDEN LIMITED · 7 GROSVENOR STREET LONDON W.I · HYDe Park 1671**

*Trade Enquiries for the Republic of Ireland should be addressed to : Lilmar Pharmaceuticals Ltd., Santry, Dublin*



## *The order of the day...*

**'LANOXIN'** *for maintenance therapy*

It never varies in potency.

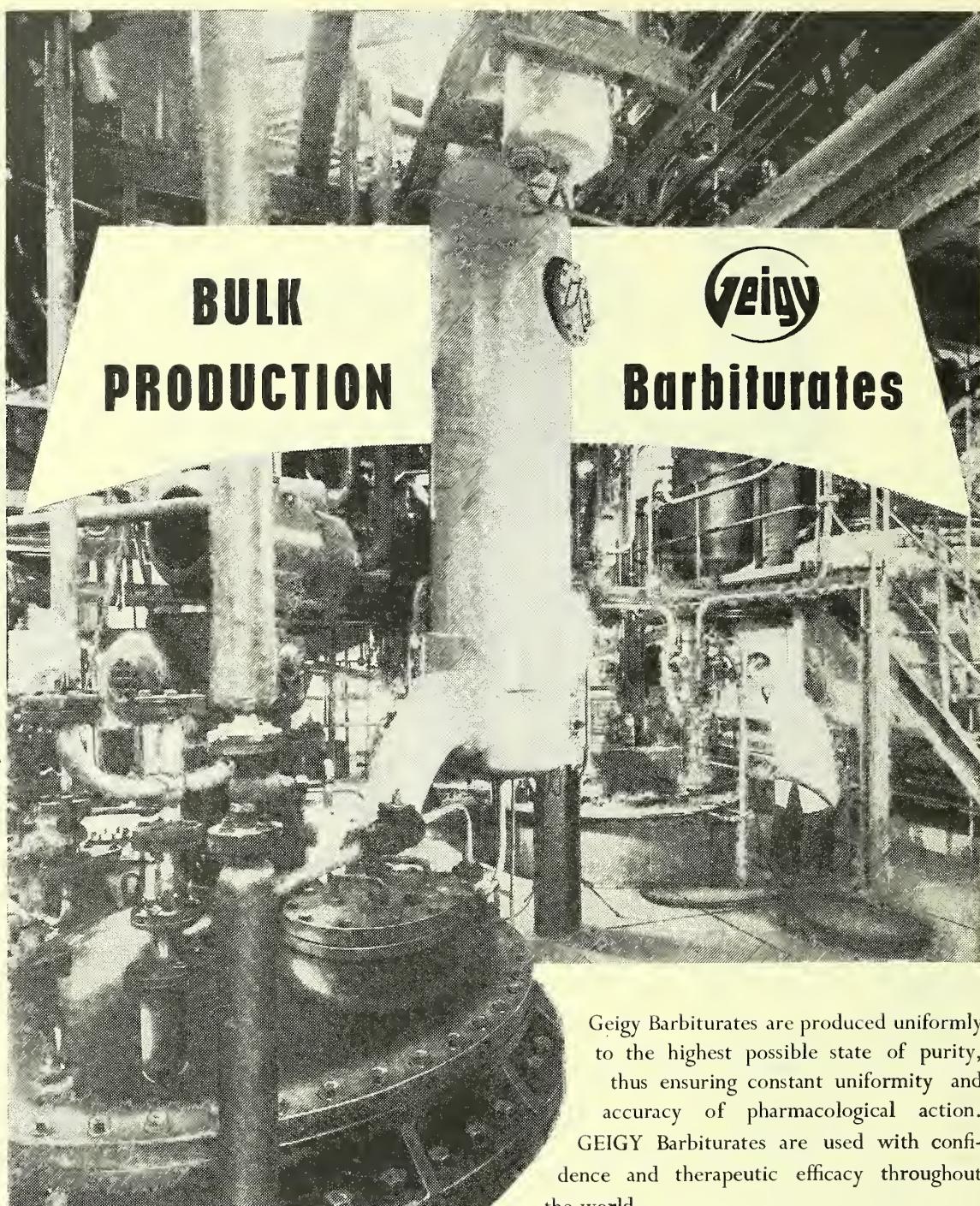
It is taken each day, not intermittently.

Over-digitalisation quickly subsides because of rapid excretion.

**'LANOXIN'**<sup>BRAND</sup> *for*  
**DIGOXIN** *unfailing  
uniformity*



BURROUGHS WELLCOME & CO. (*The Wellcome Foundation Ltd.*) LONDON



Geigy Barbiturates are produced uniformly to the highest possible state of purity, thus ensuring constant uniformity and accuracy of pharmacological action. GEIGY Barbiturates are used with confidence and therapeutic efficacy throughout the world.

Phenobarbitone B.P.  
Barbitone B.P.  
Butobarbitone B.P.C.  
Amylobarbitone Sodium B.P.C.  
Cyclobarbitone Calcium  
Methylphenobarbitone B.P.

Phenobarbitone Sodium B.P.  
Barbitone Sodium B.P.  
Amylobarbitone B.P.C.  
Cyclobarbitone B.P.C.  
Hexobarbitone B.P.  
Quinalbarbitone Sodium B.P.

GEIGY PHARMACEUTICAL COMPANY LTD

MANCHESTER

**"Variety is the spice  
of mixed feeding."**

**"When your baby  
starts taking a  
mixed diet, ring the  
changes and make  
it as widely varied  
as you can."**

This is an extract from an article in a recent issue of *Family Doctor*, in which a leading children's dietitian emphasises the importance of variety in mixed feeding for babies.

This emphasis on variety is the modern trend in baby feeding and your customers will want to keep in step with present-day thinking.

There are 22 varieties of Heinz Baby Foods. Keep a wide selection on display in your store. The more your customers see, the more they'll buy!



**Strained broths,  
soups,  
vegetables,  
sweets,  
also  
Junior Foods**

**Heinz Baby Foods**

H.J. Heinz Company Limited, Harlesden, London N.W.10



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland  
and the Pharmaceutical Society of Northern Ireland*

Volume 168

October 26, 1957

No. 4053

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which includes The Chemist and Druggist Diary and  
Year Book, £2 10s. Single copies one shilling each.

*They have to  
come to you for*

# *Endocil*

Distribution of this widely advertised hormone cream  
is through CHEMISTS ONLY.

This is made clear to the public in every advertisement.

## **ADVERTISING**

will be  
concentrated  
in these  
magazines

WOMAN  
WOMAN'S OWN  
WOMAN'S WEEKLY  
WOMAN'S JOURNAL  
WOMAN & HOME  
VOGUE

***Endocil hormone cream***

**Tube: 5/7½d retail (inc. P.T.)**

**DISCOUNTS** 33⅓% plus 12½% for display  
on all orders of 1 doz. and over

ORGANON LABORATORIES LIMITED, BRETTENHAM  
HOUSE, LANCASTER PLACE, LONDON, W.C.2

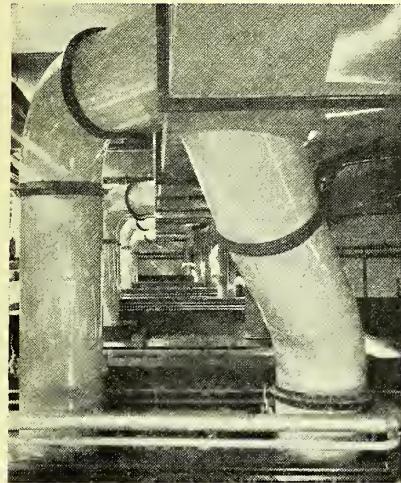


# The CHEMIST AND DRUGGIST

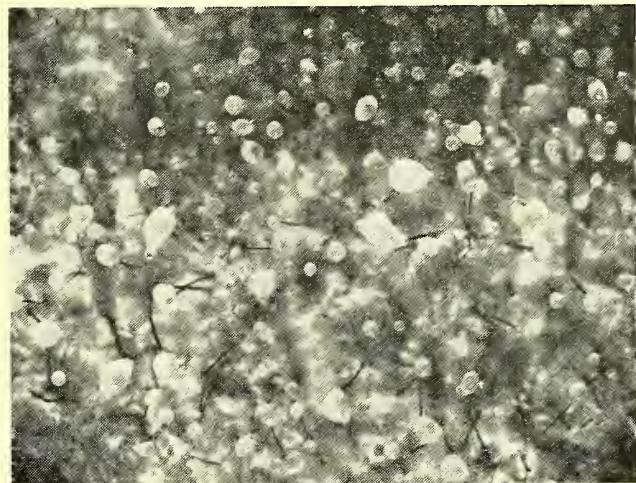
Volume 168

OCTOBER 26, 1957

No. 4053



**PHOTOGRAPHY IN THE NATION'S SERVICE:** The illustrations are from an exhibition of photographs by Government photographers staged by Kodak, Ltd., at Kodak House, Kingsway, London, W.C.2, October 16 to November 2. That on the left is entitled "Chemical Research Laboratory Plant Room." Its neighbour is "Graphium Picea Growing on Wood, x40." The exhibition is open to the public during October. The photographs on show range from ballistic testing in Australia to radiobiology, from health centre activities to views of jet fighters.



## Drug Costs Vindicated LONDON COMMITTEE'S OBSERVATIONS

A REPORT that amounts to a clear vindication of the cost of the National Health Service drug bill has been prepared by the General Benefits Committee of London Executive Council.

The report, which was presented to the Council on October 24, was prepared at the request of the Council after consideration by it on September 26, of prescribing statistics for the first five months of 1957, compared with statistics for the same period of 1956. The Council thought that there were many misconceptions about prescriptions and asked its General Benefits Committee to report on the subject. The report is summarised below:—

(a) There is now available a new series of very powerful therapeutic substances. Patients are now often ill for shorter periods resulting in fewer, although more costly, prescriptions. Thus while the drug bill may be higher, the total cost of incapacity to the nation is probably less.

(b) General practitioners are now able to prescribe certain particularly expensive drugs which in the early days of scarcity were available only through the hospital service.

(c) The first quarter of 1957 was the healthiest first quarter of any year since the inception of the National Health Service. The difference between the number of prescriptions in January 1957 and January 1956 was about 400,000 but in March, April and May 1957 the difference between 1957 and 1956 was little more than half of that number. Those facts account for the average total cost per prescription being higher than in 1956.

(d) The cost of drugs has risen as has the cost of everything else.

(e) One result of the new shilling levy means that practitioners often prescribe larger quantities at one time in order to reduce the charges paid by their patients. The number of prescriptions is thus fewer, though each may be dearer.

(f) Patients are now often treated at home for certain conditions which formerly would have been treated at hospital. Any consequential increase in the drug bill is thus often set off against what would have been the cost of hospital treatment.

(g) A number of patients visit their doctors and leave without prescriptions, needing only reassurance.

(h) When the substance ordered on a prescription costs less than one shilling, the patient often makes the purchase privately.

(i) The percentage of proprietary medicines, including the expensive antibiotics, for which there is no standard equivalent available, is increasing. Most of the useful standard preparations today start life as proprietaries and that would explain why so many tend to be prescribed.

(j) A fairly accurate check is now made by the pricing bureaux on the prescribing habits of doctors. London has only had one case (since 1948) in which action has been taken in respect of "excessive" prescribing.

Although the number of prescriptions dispensed in London during the first five months of 1957 was 1½ millions less than in the corresponding period of 1956, the monthly cost during March, April and May was £2,000 higher.

## P.A.T.A. Election

### THIRTEEN VACANCIES FOR COUNCIL

FOR 1958, thirteen seats on the council of the Proprietary Articles Trade Association are open for election. The members of the council who are retiring are:— *Manufacturers' section:* Thos. Christy & Co., Ltd.; Horlicks, Ltd.; Lincoln and Midland Counties Drug Co., Ltd.; Macleans, Ltd. A fifth vacancy is created by the resignation of County Laboratories, Ltd. *Wholesale section:* Ayrton, Saunders & Co., Ltd.; Thos. McMullan & Co., Ltd.; Raimes, Clark & Co., Ltd.; and Sangers, Ltd. *Retail section:* Messrs. T. C. Neville Booth; H. G. Moss; G. H. Walker; J. F. Watts. Members of the three sections may nominate candidates for the vacancies in their respective sections. Nominations must be received by the secretary, 43 Gordon Square, London, W.C.1, by November 11.

## Dental Prescriptions

### ALTERATIONS TO LIST

THE list of drugs which a dentist may supply or prescribe has been amended as follows:—

After the words "Aqua Menthae Piperite" add "Capsulae—Capsules, Capsulae Methylpentynolis (Methylpentynol Capsules, B.N.F.)"; for "Elixir—Elixir, Elixir Cascara Sagradae, B.P." substitute "Elixiria—Elixirs, Elixir Cascara Sagradae, B.P. Elixir Chloralis pro Infantibus (Chloral Elixir for Infants, B.N.F.) Any elixir containing methyl-

pentynol as sole active ingredient"; for "Pigmentum Arseni et Ipecacuanha, N.F." substitute "Pigmentum Arseni et Ipecacuanha (Arsenic and Ipecacuanha Paint, N.F.1955)"; delete "Solvellæ Boracis et Benzaminae Compositæ, B.P.C." and "Solvella Proflavinæ, N.F.;" for "Tabellæ Acidi Acetylsalicylici Solubiles, N.F. (Soluble Aspirin Tablets)" substitute "Tabellæ Acidi Acetylsalicylici Solubiles (Soluble Aspirin Tablets, B.P.)"; delete "Tabellæ Acidi Nicotinici, B.P." and "Tabellæ Nicotinamidi, B.P.;" after "Tabellæ Acidi Ascorbici, B.P." add "Tabellæ Aneurinae Compositæ Fortes (Aneurine Compound Tablets, Strong, B.N.F.); after "Penicillin Tablets, B.P." add "Phenoxyethylpenicillin Capsules, B.N.F." "Phenoxyethylpenicillin Tablets, B.N.F."

Pharmacists may conveniently make the necessary alterations to the list as set out on p. 201 of the British National Formulary, 1957.

Statutory Instrument, 1957, No. 1763 made by the Minister of Health on October 9 and coming into operation on November 1 gives effect to those amendments known as Amendment No. 3 Regulations, 1957, to the third Schedule to the National Health Service (General Dental Services) Regulations, 1944.

## Cost of Prescribing

### A "PHARMACEUTICAL EVERGREEN"

"THE evergreen subject of anxiety and controversy," the cost of prescribing, was touched on by Mr. R. Thompson (Parliamentary Secretary to Ministry of Health) when he addressed the tenth annual conference of the Executive Councils' Association at Harrogate on October 16. The change to one shilling per item on the prescription form, he said, was followed by two things: a substantial fall in the number of prescriptions and a rise in their average cost. In December 1956, the first month of the revised charges, the total of prescriptions was approximately 21 per cent. less than that for December 1955. Up to August each succeeding month had shown a correspondingly substantial reduction. By no means all of that reduction, however, could be attributed to the alteration in the charge. There was an unusually low incidence of certified sickness among insured persons in December, and sickness continued at a low level until the onset of the present influenza epidemic. The other thing that followed the alteration in the charge was a sharp rise of about 5d. in the average cost of a prescription. Examination of a sample of December 1956 prescriptions showed that that rise was almost entirely due to the prescribing of larger quantities, and there was evidence that the practice had continued and was not necessarily wasteful where the doctor was satisfied that there was a continuing need for the medicine prescribed. The rise in prescription costs was far from being attributable solely to the altered charge. One factor was the use being made of the newer and more expensive drugs. The average cost of a prescription had recently been approximately 1s. above the corresponding month of 1956. That was symptomatic of the

steady upward trend in the drug bill which had been a constant source of anxiety and controversy. The factors contributing to the cost of the drugs bill were now being investigated by the Hinchcliffe Committee, which had not yet had time to reach its conclusions.

## Attendance Record

### CHALLENGE TO ROMFORD BRANCH

A MEMBER of the Romford Branch of the Pharmaceutical Society has issued an unusual challenge. On holiday at the time of the September meeting, Mr. J. D. Mackenzie broke a run of sixty-nine consecutive meetings. He now challenges other members or student associates of the branch to beat that attendance record. He makes the following offers, to be based on the attendance register:—If it can be proved that he has not attended sixty-nine consecutive meetings, excluding factory visits and social functions, he will give £1 to the Benevolent Fund. If any member or student associate can prove sixty-nine or more consecutive attendances at meetings of any description, including factory visits and social functions, since the founding of the Branch, he will present to that person books or book token to the value of £1. If any member, student associate, or visitor can prove during Mr. Mackenzie's lifetime sixty-nine or more consecutive attendances at business meetings, visits and social functions of that branch he will present to that person books or book token to the value of £2. If any member or student associate can prove during Mr. Mackenzie's lifetime sixty-nine or more consecutive attendances at meetings other than social functions or factory visits, he will present to that person books or book token to the value of £3. That is Mr. Mackenzie's challenge. Who is going to take him up?

## Influenza Vaccine

### PROSPECTS FOR WIDER DISTRIBUTION

VACCINE against Asian 'flu is reported to be flowing steadily into the hands of hospital and local health authorities. The two suppliers (Glaxo Laboratories, Ltd., Greenford, Middlesex, and Parke, Davis & Co., Ltd., Hounslow, Middlesex) are at present fully occupied in filling the priority order of the Ministry of Health, and supplies are not expected to be available to industrial firms and public services much before December. Supplies to the general public are last in the distribution priorities.

## Sales of Disinfectants

### 1954 CENSUS FIGURES

ACCORDING to the Census of Production Report for 1954 on the fertiliser, disinfectant, insecticide and allied industries, sales by larger establishments (employing more than ten persons) in the industry in the United Kingdom of coal tar disinfectants, antiseptics, insecticides, and sheep and cattle dips and dressings in that year were valued at £1,508,000; of other disinfectants and antiseptics, at £4,424,000; of other sheep and cattle dips and dressings at £1,111,000; of nicotine and insecticides

containing nicotine, at £133,000; of weed-killers, at £3,449,000; of other agricultural and horticultural insecticides and fungicides, at £4,726,000; of industrial and household insecticides, rodenticides, etc., at £1,998,000. Sales in the industry in the U.K. of other than principal products included the following:—Drugs and pharmaceutical preparations, £364,000; cosmetic and toilet preparations, £64,000; washing materials, soapless detergents and scouring materials other than soap, £627,000. The report is published by H.M. Stationery Office, price 1s. 9d.

## Naming the Antidote

### CHESHIRE WOMEN URGE LABEL CHANGE

CHESHIRE Women's Institutes, at their half-yearly meeting at Chester on October 17, passed a resolution asking for the antidote of a product containing a poison to be printed on the label of its container. The proposer of the resolution pointed out that tablets were often mistaken for sweets by children. If the antidote were quoted, something could be done before the doctor arrived. Another speaker remarked that the passing of the resolution placed on mothers a moral obligation to stock the antidote whenever they bought a poison.

## Thirty Years On

### NEW LIFE FOR P.D.A. BRANCH

A CAMPAIGN to recruit new members is proposed by the recently resuscitated Brighton, Hove and District branch of the Photographic Dealers' Association. The membership drive is being initiated towards the end of the year after the completion in November of a flash photography campaign in the area. Focal point for that effort is a film lecture and exhibition of equipment which opens in the Aquarium Ballroom on November 4. The branch was originally formed in 1928.

## Statutory Committee

### TWO INQUIRIES TO BE HELD

THE Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.1, at 2.30 p.m. on November 6, to consider information and evidence concerning the conviction of a member of the Society under the Dangerous Drugs Act, 1951; and to consider information and evidence concerning the conviction of a body corporate under the Pharmacy and Poisons Act, 1933.

## Retail Sales

### BOARD OF TRADE STATISTICS

RECENTLY issued Board of Trade figures show that sales of chemists' goods by independent retailers were 7·4 per cent. higher in July than in June and 10·4 per cent. higher than in July 1956. Large retailers' sales were 2·1 per cent. lower in July than June but 4 per cent. higher than in July 1956. Sales by Co-operative societies were 1·7 per cent. lower in July than in June but 4·1 per cent. higher than in July 1956.

## NEWS IN BRIEF

THE Minister of Health (Mr. Derek Walker-Smith), has appointed Mr. Robert Mathew, M.P., to be his Parliamentary Private Secretary.

A MEMORIAL stone marking the birthplace of the late Sir Alexander Fleming was unveiled at Darvel, Ayrshire, on October 12.

A SILVER cup for their window display was awarded to P. G. Turner (Chemist), Ltd., 62 High Street, Ramsey, Hunts, during the town's recent shopping week.

An explosion in a pharmacy of Shettleston Co-operative Society, Ltd., Barrachnie Road, Garrowhill, Glasgow, on October 16, blew out the front window on to the roadway and started a fire. It was soon brought under control but considerable damage was done to stock in the shop.

ALTHOUGH the question was on the agenda, the advertising departments of the commercial television programme companies at a meeting in London on October 21 did not consider the form of words used in advertisements for anti-influenza preparations advising people who fall ill to call a doctor (see *C. & D.*, October 19, p. 421). The companies, it was stated, had not been asked by the British Medical Association to take any action.

THE following chemicals have been exempted from Key Industry Duty for the period beginning October 28 and ending February 18, 1958:—Synthetic organic molybdenum compounds (suitable for use as dyestuffs, colours, or colouring matters); *monoacetylonylacetone*; amyl alcohols containing not less than 58 per cent. by weight of *n*-amyl alcohol and not more than 1 per cent. by weight of aldehydes or ketones calculated as  $C_5H_{10}O$ ; *N-methylglucamine 3:5-diacetamido-2:4:6-tri-iodobenzoate* and *phenoxyethylpenicillin*.

## SPORT

**Golf.**—LONDON CHEMISTS' GOLFING SOCIETY, end-of-season meeting and dinner at Hendon golf club, on October 16. *G. H. Young's (captain's) prize*, G. Penman (10), 69; *L. D. Smith's (president's) prize*, Dr. H. Davis (13), 36; *R. L. Taylor's prize*, J. E. Balmer (18), 21. At dinner members stood in silence in memory of the late Mr. T. W. D. Turner, a much respected member of the Society (see *C. & D.*, October 5, p. 375).

IRISH CHEMISTS' GOLFING SOCIETY, final outing of the season, at Hermitage golf club, co. Dublin, on October 2. *Eighteen holes strokes*, 1, C. Collis (17), 68; 2, J. Power (11), 71; *Eighteen holes bogey*, 1, E. MacManus (15), 1 up; 2, T. J. Lynch (5) all square; *best first nine*, J. Howard, 33; *best second nine*, P. Twohig, 34. Among guests at the dinner afterwards were Mr. M. Costello (representing the president, Pharmaceutical Society of Ireland), Mr. F. J. Robinson (president, Irish Drug Association); Mr. W. H. Boyd, and Mr. Thomas Currie (Ulster Chemists' Golfing Association). At a previous outing of the Society, at Skerries golf club, the results were: *Eighteen holes strokes*, 1, J. Pattison (9), 76; 2, M. G. Murphy (4), 78; *Eighteen holes bogey*, 1, K. Banks (18), 2 down; 2, O. K. O'Malley (16), 4 down; *best first nine*, P. McAuliffe; *best second nine*, J. J. Dawson.

## LOCAL OFFICERS

**PHOTOGRAPHIC DEALERS' ASSOCIATION**  
Brighton, Hove.—Chairman, Mr. Cameron Yorke; Secretary, Mr. Derek D. Balls, Stead & Co., Ltd., 23 Duke Street, Brighton, 1; Treasurer, Mr. R. G. Mumford.

## TOPICAL REFLECTIONS

By Xrayser

### *A Game of Chance*

IT becomes increasingly difficult to lead a blameless life. Only a week or two ago I learned that the National Health Service was one of the causes of inflation and, by being a part thereof, I was myself a contributory factor in the present financial crisis. Now it appears that, despite the teachings of my youth, which warned me to eschew all forms of gambling, I am caught up in its grip as firmly as is the addict of horse and dog racing. I don't know what the odds are on the sportsman referred to, but in my case (and in yours, fellow-contractor) it is computed that there is a chance of "breaking even" every five years, and our gamble, of course, is on payment for goods and services under the auspices of N.H.S. For that is the position into which we have been forced by averaging of payments, according to Mr. G. W. Milton (clerk to the Hull Executive Council) as reported on p. 421. That I may find myself £76 overpaid in one month, as a Hull chemist was, or equally easily £76 underpaid, is nothing short of a scandal. The Executive Council concerned commendably agreed to support a resolution calling for full pricing of every prescription. As a taxpayer, I object to any government contractor being overpaid to the extent of £76. As a contractor who may have been underpaid by £76, my objection is still stronger. No one wants other than correct payment, and justice demands just that, in the interests of the public and the contractor. How does the Select Committee on Public Expenditure feel in the matter?

### *If the Cap Fits . . .*

I note, in your report of a dinner held recently at Wembley (p. 440) that you appear to be of the opinion that some remarks made by Mr. P. J. D. Spaanderman (chairman of the National Pharmaceutical Union) had reference to a recent paragraph in this column. The cap appears to fit. Mr. Spaanderman was apparently referring to my expressed misgivings as to the wisdom of a television advertising scheme sponsored by the N.P.U., in which it is proposed to feature the "independent" chemist in a series of "spots." My doubts were from the standpoint of tactics, retaliation and ethics. The speaker's statement that he was assured that the programme to which the N.P.U. was committed would be dignified, and would not detract in any way from the dignity of our calling, might, in part at least, have assuaged some of my reservations, if Mr. Spaanderman had left it at that. Unfortunately, in referring to my observations, he said that the N.P.U. could not allow "this business of selling to be mixed up with highfalutin kibosh of pharmaceutical ethics." There is not much comfort on the score of dignity to be drawn from that remark. He is also reported to have said that "if such a thing as pharmaceutical ethics existed then the programme would be towards its advancement." I did not think that our profession was deserving of so low an opinion as that in which the chairman of the N.P.U. appears to hold it. With regard to his suggestion that I use the "shield" of a *nom de plume*, I have, without any protection, expressed my views in the matter to some of my colleagues without coming to any harm. I am glad you were represented at the dinner, otherwise Mr. Spaanderman's remarks might have been confined to a small circle, and that would have been a pity.

### *No Acknowledgment*

The leading article on p. 433 explaining the changes in banking practice brought about by recent legislation is particularly helpful. Habit dies hard, and it is going to be exceedingly difficult to accustom oneself to sending off a cheque and a statement into the blue, and to have to make a call at the bank to ascertain if the cheque has been presented for payment. It seems to me unlikely that Clause 3 (to the effect that an unendorsed cheque which appears to have been paid is evidence of its receipt) was intended to obviate the necessity for the normal receipted statement bearing a receipt stamp. From where is it intended to recover the lost revenue?

## IRISH NEWS

### THE NORTH

#### Associates' Section

##### MONTHLY COMMITTEE MEETING

AT a meeting of the committee of the Associates' Section of Ulster Chemists' Association held in Belfast on October 14, Mr. W. T. Hunter in the chair, it was unanimously agreed that Mr. W. Steele should be co-opted to the committee as a Pharmaceutical Chemist representative, and that Mr. N. Appleton should be co-opted as a student representative. The wages scale agreed at a recent Joint Council meeting and provisions which had been made for the following were ratified: (a) wages payment during illness; (b) additional holidays for rota service. Mr. G. E. MCILHAGGER reported that he had enjoyed a visit to the College of Pharmacy, Dublin, where he had given a lecture on "The Economics of the Manufacture of Perfusion Fluids." The lecture was arranged by the post-graduate study group of the Pharmaceutical Society of Ireland. The following applications for associateship were approved: *Pharmaceutical Chemist*, Mr. A. Best; *Unqualified Assistant*, Messrs. W. B. Packham and J. H. Wallace; *Apprentice*, Mr. J. Johnston.

### THE REPUBLIC

#### Examination Results

##### THIRTY-FOUR NEW LICENTIATES

OF fifty-three candidates who sat for Part II of the October Licence examination of the Pharmaceutical Society of Ireland, the following passed:—Margaret T. Brady; M. J. Burke; D. J. Butler; J. P. Byrne; T. G. Condon; Jane Creedon; Kathleen C. Cronin; Mary C. Curtin; K. Deery; J. M. Fitzpatrick; J. Foley; H. Gaffney; Mary A. K. Geoghegan; M. I. Giblin; Mary P. Gildea; E. Harrington; L. V. Hyland; J. J. Hunt; J. F. Kelly; J. C. Kelly; Mary T. E. Kelly; Brigid C. I. Kerins; Mary H. McDonagh; E. B. McHugh; M. C. M. Martin; Ellen P. Murphy; Margaret Murphy; Rita A. Murphy; E. O'Mathuna; Mary O'Mahony; T. R. F. O'Neill; E. O'Sullivan; Bridget P. Quigley; Mary C. Sharry.

#### Wexford Chemists

##### SOLUTION TO PROBLEM OF ASSISTANTS?

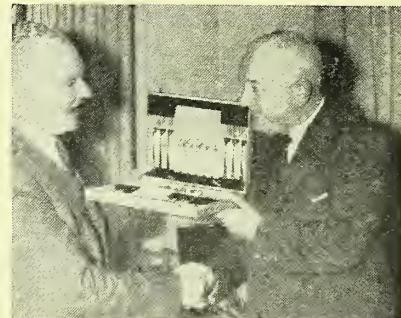
A SOLUTION to the problem of obtaining locums and assistants would be forthcoming from the headquarters of the Pharmaceutical Society of Ireland, County Wexford Pharmaceutical Association was told at a meeting held in Wexford, on October 16. Mr. D. Roice, Gorey (chairman of the Association) presided. Mr. H. P. Corrigan and Mr. J. G. Coleman (vice-president and registrar respectively, Pharmaceutical Society of Ireland), and Mr. Brendan Smith (secretary, Irish Drug Association) attended the meeting. Mr. ROICE welcomed the Dublin visitors, and went on to pay tribute to the memory of the late Mr. Patrick Brooke-Kelly, Enniscorthy, a former president of the Pharmaceutical Society of Ire-

land and a founder-member of the Wexford Association. MR. SMITH spoke about the position of pharmacy following the publication of the Fair Trade Commission's findings, and made a strong appeal for loyalty to the ideals of the I.D.A. A discussion took place on leakages of confined lines, and the possibility of combating certain abuses. The meeting next considered the problem of obtaining locums and assistants, particularly in relation to the solution put forward by the Wexford Association in 1956 [that there should be an examination for prospective assistants]. The representatives of the Society said that the Wexford proposal had been considered by the Council, and that shortly a solution would be forthcoming from the Society's headquarters. The effect of the increase in the bank rate, the question of firms and individuals supplying direct to farmers, and a letter from the County Kerry Chemists' Association, were other matters which were considered. MR. CORRIGAN, on behalf of the party from Dublin, thanked the chairman and members for their welcome.

#### Irish Drug Association

##### RIGHT OF CHEMIST TO SELL WINES

AMONG subjects discussed at recent meetings of the committee of the Irish Drug Association was the recommendation of the Intoxicating Liquor Commission that chemists should be allowed to sell wines or similar alcoholic preparations only on production of a medical prescription. Because the selling of wines was a long-standing right of pharmacists the committee decided to oppose that recommendation and to request a meeting with the Minister for Justice to discuss the recommendation. The committee went on to examine details of a



**GOLF PRIZE-WINNER:** Mr. M. G. Baynes presents to Mr. C. Collis Phibbsborough his prize as winner at the final outing of the season of the Irish Chemists' Golfing Society.

European agency commission and a memorandum in connection with the European free trade area. It was thought that those projects did not directly concern the Association, but that it should watch developments in case anything emerged that did have a bearing on chemists' interests. An invitation to give evidence before the Commission on Income Tax was considered. It was decided not to put forward any submissions on the existing income tax code. Some members thought that any substitution for the present code might be a purchase tax or sales tax, which could be more objectionable to the chemist. The secretary (Mr. Brendan Smith) reported that the Shops (Hours of Trading) Act, 1938, in its control of weekly half-holiday hours, was being enforced in the Dublin area "even more spasmodically than before." The Committee decided to send £25 towards the expenses of the International Pharmaceutical Students' Congress held in September. New members elected were Mrs. Mary Brassil, Ballyheigue, Tralee, and Miss Agnes Scannell, the Medical Hall, Killeagh, co. Cork.

#### ADVANCES ON CHEMICAL FRONT

##### Reports to national meeting of American Chemical Society

THE discovery of a new insecticide, Sevin, was reported at the 132nd national meeting of the American Chemical Society in New York, recently, by two U.S. Government scientists, Messrs. Joseph A. Lambrecht and John R. Kilsheimer. Sevin is an organic chemical which differs from most of the currently used synthetic insecticides in that it contains neither chlorine nor phosphorus. Chemically, it is 1-naphthyl-N-methyl carbamate. The new insecticide has been found to be effective against varieties of resistant insects such as the codling moth and boll weevil. One of its major advantages is claimed to be its low toxicity to humans. The use of Sevin has had no effect on the flavour of fruits and vegetables.

##### Pure Antibody Isolated

Dr. Alec Sehon, Mr. Ladislao Gyenes and Dr. Bram Rose, all of McGill University, announced that the pure antibody for ragweed pollen has been isolated for the first time from the blood serum of immune laboratory animals. The material has not as yet been tested

for its protective activity, the research workers pointed out, but it is thought to be active and the method is being extended to human serum. Another result of the studies at McGill University is the development of a simplified and highly sensitive test to detect antibody-like factors in the sera of allergic individuals.

##### Protection Against Radiation

U.S. Public Health Service is sponsoring an exploratory project at the Syracuse University Research Institute, Syracuse, New York, in the hope that chemists may find compounds that can be used for protection against bomb radiation or therapeutic agents that can be administered to repair radiation damage after it occurs. Preliminary experimental evidence, said Dr. Trevor Robinson (a biochemist at the Institute) has already suggested a new concept of the way in which sugars protect living tissue against radiation. One effect of radiation on living tissue is to inactivate its enzymes. Sugars and some other compounds, including certain components of living tissue, are

able to give protection to enzymes in solution, the biochemist pointed out. For that reason it is generally believed that radiation destroys enzymes by breaking up the water into free radicals which attack the enzymes. The protective agent is thought to interfere with the attack of the free radicals on the enzymes.

#### Research on Arthritis

Mr. Edward S. Kline (biochemist of the Walter Reed Army Medical Center, Washington, D.C.) told the meeting that an understanding of arthritis and other so-called collagen diseases was expected to come from the finding that a protein-forming substance named

hydroxyproline is produced by hydra. Hydroxyproline is believed to exist in human beings only in the protein collagen. A study of the formation of collagen-like material in the hydra may reveal the way in which collagen is formed in the human body, Mr. Kline pointed out, adding: "The sooner we understand normal collagens, the sooner we will be able to understand collagen disorders." The hydra is particularly suited to such research because it is relatively simple — having about 100,000 cells of only nine different types — and it is easy to grow and multiply. It has a cylindrical body terminating in a mouth surrounded by five long, thin tentacles. Each tentacle

contains thousands of deadly nematocysts (stinging cells) which the hydra uses to paralyse and kill larger animals for food. The stinging cells, Mr. Kline said, are "the same type present in the jellyfish and the dangerous Portuguese 'man-of-war,' which has been known to kill man." Each time the hydra stings its prey and loses a nematocyst, chemical processes within its body act to replace the cyst. Mr. Kline said that a high frequency sound machine is used to separate the nematocysts from other hydra cells. He obtained, he explained, hydroxyproline from the nematocysts in the hydra tentacles and, by means of assays of that compound, he measured the regeneration process.

## CODEX AMENDMENTS

### Changes and corrections announced to B.P.C., 1954

THE Council of the Pharmaceutical Society of Great Britain has authorised publication of the following amendments to the British Pharmaceutical Codex, 1954:—

**SELF - EMULSIFYING MONOSTEARIN:** P. 481. **Content of  $\alpha$ -monoglyceride.** Amend to: 30·0 to 40·0 per cent., calculated as  $C_{21}H_{42}O_4$ . *Delete the assay and insert:*

**Assay.** Dissolve about 0·8 g., accurately weighed, in 20 ml. of chloroform, warming if necessary; extract by shaking for one minute with 2 ml. of glacial acetic acid diluted with 25 ml. of water, followed by three successive portions, each of 2 ml., of glacial acetic acid diluted with 20 ml. of water; wash the combined aqueous extracts with 5 ml. of chloroform, reserve the aqueous extracts, and dilute the combined chloroformic solution and washings to 100 ml. with chloroform; heat 25 ml. of this solution in an iodine flask on a water-bath to remove the chloroform, dissolve the residue in 1 ml. of chloroform, add 10 ml. of glacial acetic acid and 20 ml. of *solution of periodic-acetic acid*, warm on a water-bath at a temperature not exceeding 45° until the mixture is just molten, shake for one minute, rinse the stopper and flask walls with glacial acetic acid, and allow to stand for 30 minutes at 20° to 30°; add 5 ml. of a freshly prepared 20 per cent. solution of potassium iodide in water, and titrate the liberated iodine with N/10 sodium thiosulphate using *mucilage of starch* as indicator. Repeat the operation omitting the sample. The difference between the two titrations represents the amount of periodic-acetic acid solution required to oxidise the  $\alpha$ -monoglyceride; each ml. of N/10 sodium thiosulphate is equivalent to 0·01793 g. of  $C_{21}H_{42}O_4$ .

#### Supplement 1957 to B.P.C.

To p. 63 of Supplement 1957 to the British Pharmaceutical Codex add the monograph:

#### PREDNISONE ACETATE

Prednisoni Acetas  
(Prednison. Acet.)  
 $C_{23}H_{28}O_6 = 400\cdot5$

Prednisone Acetate is 21-acetoxy-17 $\alpha$ -hydroxypregna-1:4-diene-3:11:20-trione, and is prepared by partial synthesis. Solubility. Soluble, at 20°, in 120 parts of alcohol, in 160 parts of dehydrated

alcohol and in 6 parts of chloroform; almost insoluble in water.

#### Standard

**Content of prednisone acetate.** Not less than 96·0 per cent. and not more than the equivalent of 104·0 per cent., calculated with reference to the substance dried at 105°.

**Description.** A white or almost white crystalline powder; odourless; taste bitter.

#### Identification Tests.

1. Dissolve 0·05 g. in 5 ml. of methyl alcohol, warm, and add 5 ml. of *solution of potassium cupri-tartrate*; an orange-red precipitate is slowly formed.
2. Dissolve 5 mg. in 2 ml. of sulphuric acid; a clear yellowish solution is produced which gives a blue fluorescence at the surface in ultraviolet light (distinction from cortisone, hydrocortisone and prednisolone).
3. Add 0·05 g. to 2 ml. of N/2 alcoholic potassium hydroxide, heat on a water-bath for 5 minutes, cool, add 2 ml. of sulphuric acid (50 per cent. v/v), and boil gently for one minute; an odour of ethyl acetate is produced.
4. A 1 cm. layer of a 0·01 per cent. w/v solution prepared as directed in the assay exhibits a characteristic light absorption having a maximum at about 238 m $\mu$ ; the extinction of the solution at 238 m $\mu$  is about 0·38.
5. It melts at about 240°, with decomposition.

**Specific rotation.** Determined, at 20°, in a 0·5 per cent. w/v solution in dioxan, +183° to +190°.

**Loss on drying.** When dried to constant weight at 105°, loses not more than 1·0 per cent. of its weight.

**Sulphated ash.** Not more than 0·1 per cent.

**Assay.** Carry out the operations in subdued light. Dissolve about 0·01 g., accurately weighed, in dehydrated alcohol, and dilute to 100 ml. with dehydrated alcohol; dilute 10 ml. of this solution to 100 ml. with dehydrated alcohol, and measure the extinction of a 1 cm. layer at 238 m $\mu$ ; the percentage of prednisone acetate is given by the formula: E(1 per cent., 1 cm.) 238 m $\mu$   $\times 0\cdot260$ .

**Action and Uses.** Prednisone acetate has the action and uses described under Prednisone. It is administered in tablets containing 1 or 5 milligrams.

**Dose.** 5 to 20 mg. daily, in divided doses.

#### DUSTING-POWDER OF ZINC OXIDE, COMPOUND: P. 93. *Del. Assays; insert:*

**Assay for zinc oxide.** To about 1·5 g., accurately weighed, add 10 ml. of dilute hydrochloric acid and 20 ml. of water, boil for 5 minutes, filter, and wash the residue with three successive portions, each of 5 ml., of water; neutralise the combined filtrate and washings with *solution of sodium carbonate* using *solution of methyl orange* as indicator, boil, add a further 30 ml. of *solution of sodium carbonate*, filter, wash the residue with five successive portions, each of 5 ml., of water, and ignite the residue of zinc oxide to constant weight.

**Assay for boric acid.** To about 5 g., accurately weighed, add 15 ml. of dilute hydrochloric acid and 20 ml. of water, boil for 5 minutes under a reflux condenser, filter, and wash the condenser, flask and filter with two successive portions, each of 5 ml., of water; neutralise the combined filtrate and washings with a 20 per cent. w/v solution of sodium carbonate in water using *solution of methyl orange* as indicator, boil, add slowly, with stirring, a further 35 ml. of the sodium carbonate solution, and filter; wash the residue with 10 ml. of water, acidify the combined filtrate and washings with hydrochloric acid using *solution of methyl orange* as indicator, and boil under a reflux condenser for 5 minutes; cool, wash the condenser with two successive portions, each of 5 ml., of water, neutralise the combined solution and washings with N/1 sodium hydroxide, add 100 ml. of glycerin, previously neutralised to *solution of phenolphthalein*, and titrate with N/5 sodium hydroxide using *solution of phenolphthalein* as indicator; each ml. of N/5 sodium hydroxide is equivalent to 0·01237 g. of  $H_3BO_3$ .

**BENZATHINE PENICILLIN:** P. 6, line 6 from foot. *For solutions for injection read injections.*

**CHLORPROMAZINE HYDROCHLORIDE:** P. 12, line 7. *For 3-chloropheno- read 2-chloropheno-*

**POLYMYXIN B. SULPHATE:** P. 59, line 6 from foot. *For 25,000 read 25,000.*

**INJECTION OF PROTAMINE SULPHATE:** P. 67, line 2 from foot. *For using 1·5 mg. read using a volume containing 1·5 mg. of protamine sulphate.*

## A HISTORY OF THE MICROSCOPE

### Trade sponsors give out presentation copies

IN Holland in 1956 there was published a history of the microscope, "Microscopium," by Dr. Maria Roosboom (director of the National Museum of the History of the Natural Sciences, Leiden). At a reception organised by the Anglo-Netherlands Society and held in London on October 16, representatives of a number of distinguished medical and scientific societies attended to receive special presentation library copies of the English version. They were received by Sir Nevile Butler.

Publication of "Microscopium" arose from a suggestion made to Dr. Roosboom at the time of an exhibition of rare microscopes held in her museum in 1954. It was then that the associate company in Holland of Pfizer, Ltd., Folkestone, offered to sponsor a book by Dr. Roosboom that would provide a historical survey of the microscope down to the present day. The result is described by the author as "an attempt to give the first concise survey of the development of the microscope in the light of the needs of its user during the past three centuries." It is a valuable contribution to the literature on the subject and covers the full history from 1656, when Pierre Borel, court physician to the French king Louis XIV, published the first book on microscopic observation entitled "Ob-

servations Microscopicorum Centuria."

"Microscopium" was published by the National Museum at Leyden as No. 95 in its Transactions, and on September 13, 1956, the first leather-bound special presentation copy was presented by Dr. Roosboom to the Dutch Minister of Education, Arts and Sciences. The work was favourably reviewed in American and German scientific journals.

The limited English edition is not for sale. It is being privately distributed.



Professor J. McMichael (Post-graduate Medical School, London) receives, on behalf of the Royal College of Physicians, a presentation copy of "Microscopium" from Sir Nevile Butler, formerly Ambassador to the Netherlands.

## P.A.T.A. SUBSCRIPTIONS INCREASED

### Executive committee's recommendations adopted

INCREASED subscription rates for all three sections of the Proprietary Articles Trade Association have been adopted by the P.A.T.A. council, and are being introduced on January 1, 1958. That was stated at the September meeting of the executive committee of the council.

THE SECRETARY reported on the position of the service of notices of resale price conditions on traders who were selling the products of certain P.A.T.A. manufacturers at less than fixed prices. The executive agreed that retail members should be reminded of their right to report to the Association cases of price-cutting in their areas, in order that the P.A.T.A. might notify the manufacturers concerned and make suitable representations on their behalf.

At its previous meeting, the Council had received the executive committee's report on the question of increased subscription rates applicable to members of the three sections of the Association. Having unanimously approved those recommendations, the council had authorised the executive to fix a date on which the revisions should come into force and to notify the Association's members.

In March, the executive had examined the Association's annual financial statement, and had noted that, at the end of 1956, expenditure had exceeded income by £1,200. The Association's auditors had reported that, unless the P.A.T.A. was prepared to live on capital by selling its investments, it would be essential for revenue to be stepped up to cover overhead expenses.

They had pointed out that the only way that could be done was by increasing the annual subscriptions of the Association's members. Later, on the instructions of the council, the position had been reviewed by a special subcommittee and by the executive. After taking all factors into consideration, the executive had made the following recommendations which were subsequently approved by the manufacturers', wholesale and retail sections and, with similar unanimity, adopted by the Council:

**Retail section:** It had been noted that, in his report to the N.P.U. Executive, the treasurer (Mr. S. J. Stearn) had said that, if it were decided to increase the retail P.A.T.A. subscription within certain limits, the present arrangement whereby subscription may be paid with the N.P.U. subscription could be continued, and that all possible encouragement should be given to members to continue their support of the P.A.T.A. Subsequently, the N.P.U. Executive had intimated that they were prepared to collect an increased subscription for the P.A.T.A. of up to 4s. 6d. per pharmacy (i.e. up to a total figure of 15s.) without "divorcing" the collection of the P.A.T.A. subscription from that of the N.P.U. The P.A.T.A. executive had received that intimation with appreciation, and the retail section subscription will, therefore, be 15s.

**Wholesale section:** Subscription to the wholesale section—now £21—will be increased by £5 5s. per annum to £26 5s. **Affiliated wholesale members:** The subscription for affiliated wholesale mem-

bers is increased from £2 2s. to £2 12s. 6d.

**Manufacturers' section:** The basic subscription to the manufacturers' section will be £10 10s. instead of £8 8s.; the rate for "nationally-advertised" extra articles, £8 8s. instead of £6 6s., and the charge for each extra article "not nationally-advertised," 15s. instead of 10s. 6d.

The executive, having considered all aspects of the subject, is satisfied that those modest increases in subscription rates will provide the additional revenue needed by the Association to carry on its essential functions.

### Secretary's Visit to U.S.

THE PRESIDENT referred to the forthcoming visit of the secretary (Mr. H. E. Chapman) to the annual convention of the National Association of Retail Druggists, Minneapolis, U.S.A., which he had been invited to address, and expressed the executive's good wishes for a successful and enjoyable trip. He charged the secretary to convey to the convention, the N.A.R.D. executive and Dr. Dargavel, the compliments and fraternal greetings of the council of the P.A.T.A. Mr. Chapman, who would be travelling via Montreal (see *C. & D.*, September 21, p. 314), had also been invited by the Canadian Pharmaceutical Association to address meetings of pharmacists there and in Toronto. THE SECRETARY said he appreciated the kindness and hospitality of the N.A.R.D. executive in inviting him to the convention and felt indebted to the P.A.T.A. council for having made it possible for him to accept the invitation. He had heard from the secretary-manager of the Canadian Pharmaceutical Association that there were many pharmacists in Canada who remembered Sir William Glynn-Jones and his work for the Canadian P.A.T.A. and they would be interested to learn of the present position in Britain.

It was agreed that the next meetings of the council and its component sections should be held on November 14 instead of the usual date in October.

## FESTIVE OCCASIONS

### INVERNESS

#### First Dinner in Twenty Years

INFORMALITY was the keynote of a dinner held by the Inverness and District Pharmacists' Association on October 18. No annual event, the dinner was in fact the first to be held by the Association since before the 1939-45 war. Mr. S. Penny (chairman) said he hoped the dinner would become a regular feature of the Association's programme. He welcomed especially Mr. George Morrison, the oldest practising pharmacist in the district (he qualified in 1905). Mr. T. S. Davidson paid a tribute to Mr. and Mrs. Alister Mackenzie who were leaving Inverness for Australia; Mr. Mackenzie, he said, had been a most useful member of the Association. A presentation to the emigrants was made by Mrs. Morgan, and Mr. Mackenzie replied, thanking the Association for their gift and good wishes. The evening concluded with a film show and guessing games organised by Mr. R. S. Morrison (secretary).



## DEATHS

**ATKINSON.**—On September 20, Mr. Alfred Atkinson, F.P.S., 52 Austin Drive, Didsbury, Manchester, 20, aged eighty-seven. Mr. Atkinson qualified as a chemist and druggist in 1891 and passed the Pharmaceutical Chemist examination in 1892. He was in business in Harrogate for many years until his retirement.

**BOYLE.**—At his home, 13 Rugby Road, Belfast, on October 11, Mr. Francis J. Boyle, M.P.S.N.I. Mr. Boyle qualified as a registered druggist in Dublin and was registered as a pharmaceutical chemist in Northern Ireland in 1926. For fifty years, until his death, he carried on business at 1 Broadway, Belfast. At his funeral, to Milltown Cemetery, one of the chief mourners was his brother-in-law, Mr. C. A. Quinn, M.P.S.N.I. (president, Pharmaceutical Society of Northern Ireland). The Ulster Chemists' Association was represented by Messrs. M. C. Mooney (president) and J. Caldwell.

**BRAY.**—At Lynthorpe, West Lynn, King's Lynn, Norfolk, on October 5, Mrs. Grace Mildred Bray, wife of Mr. Wilfred Ernest Bray, M.P.S., aged sixty.

**BROWN.**—At his home, 19 Bemersyde Drive, Newcastle-on-Tyne, recently, Mr. Edward Brown, aged eighty-two. Mr. Brown was for fifty-nine years with the Newcastle upon Tyne company of wholesale chemists, Wilkinson & Simpson, Ltd. He became a director before his retirement. He is survived by his widow.

**CORNELL.**—At his home, 44 Westerfield Road, Ipswich, Suffolk, on October 5, Mr. James Raymond Cornell, M.P.S., aged seventy-five. Mr. Cornell was for many years proprietor of a pharmacy in Tavern Street, Ipswich, until it was demolished in 1938. He qualified from the London College of Pharmacy in 1903. He served in many London pharmacies before returning to Ipswich to take over the company of Cornell & Cornell, Ltd., of which his father was head and which had been in the family since 1837. A Freemason since 1908, he joined the British Union Lodge, of which he was eventually Worshipful Master. A keen sportsman, Mr. Cornell was for many years secretary of the Ipswich hockey club. He was also a member of Purdis Heath golf club and a keen tennis player. He is survived by his widow, two sons and a daughter.

**HANBURY.**—At Westfield, Hoddesdon, Herts, on October 21, Mr. Frederick Capel Hanbury, J.P., F.P.S., aged seventy-eight. Mr. Hanbury was chairman of Allen & Hanburys, Ltd., from 1937 until his retirement in June 1954. He was the youngest and only surviving son of Frederick Janson Han-

bury (who died in 1938). He was educated at Marlborough College and the School of Pharmacy, Pharmaceutical Society. He joined Messrs. Allen & Hanburys in 1897, serving his apprenticeship in the company's various establishments in London. He passed the Minor and Major examinations of the Pharmaceutical Society in 1901 and 1902 respectively. He was appointed a director of the company in 1904. He served throughout the 1914-18 war and was demobilised as a captain in the Royal Engineers. He was appointed a justice of the peace in 1925. For more than fifty years, he devoted his energies to the company's interests at home and overseas and travelled extensively. In the book "Through a City Archway" it is recorded that in the winter of 1898 "he visited the company's cod-liver oil factory in the Lofotens where he gained a practical experience of manufacturing cod-liver oil. In 1902, with his father, he visited the company's branch houses in Toronto, Canada, and Niagara Falls, U.S.A. . . . He took over the control of the manufacturing activities carried on at Bethnal Green, London, and when those were transferred to Ware he made his headquarters there, guiding the development of the factory from a number of scattered unrelated buildings into a collection of well-defined units arranged on modern lines." In 1950 the directors and staff of Allen & Hanburys' companies in Britain and overseas, presented him with his portrait, painted by Mr. James Gunn, A.R.A., to mark his long and distinguished services to the company. He is survived by his widow, three sons and three daughters.

**HOWARD.**—On October 7, Mr. Percy Howard, M.P.S., 1 Highfield Road, Chelmsford, Essex, aged eighty.

**KENNY.**—Recently, Mr. Reginald Frederick Kenny, M.P.S., 19 Marlowe Road, Wallasey, Ches, aged forty-six.

**LEE.**—(See *C. & D.*, October 19, p. 426). Mr. George Angus McLean Lee, M.P.S.I., was a native of Mains-of-Forrest, Strichen, Aberdeenshire. His apprenticeship was served in Aberdeen. He qualified in Edinburgh. As a young man he went to Ireland at the turn of the century and took a post on the staff of Lester's pharmacy, Patrick Street, Cork. Subsequently he became a compounder with the Cork Chemical and Drug Co. In 1905 he took up an appointment with the Dublin pharmaceutical company of William Laird & Co., Ltd., 69 Upper O'Connell. In 1907 he became a licentiate of the Pharmaceutical Society of Ireland. Seven years after joining Messrs. Lairds he became managing director and ultimately proprietor. He carried on a most successful business until 1952 when he decided to retire. Mr. McLean Lee was one of the founder members of the old Dublin and Provincial Retail Drug Association of which he was president, 1916-17. In 1918 he was elected treasurer of that Association, which later became the Irish Drug Association, and gave unselfish and generous service in that capacity for some twenty-seven years. To show their appreciation of his work, members of the I.D.A., at a dinner held in Dublin in 1943, presented him with his portrait

in oils. Mr. McLean Lee worshipped at the Abbey Presbyterian Church,



A photograph of Mr. Lee taken in 1939.

Dublin, of which he was a ruling elder since 1940. He is survived by his widow, two sons and two daughters.

**MACDONALD.**—On October 5, Mr. Peter Ewen Macdonald, M.P.S., 14 Colebrook Terrace, Hillhead, Glasgow, W.2, aged sixty-five.

**MALCOLM.**—On September 21, Mrs. Annie Simpson Malcolm, M.P.S., 33 Menock Road, Kings Park, Glasgow, W.4. Mrs. Malcolm qualified in 1927.

## PERSONALITIES

**MR. T. J. PARRY.**—M.P.S., 349 Buxton Road, Stockport, Ches, is being adopted by the Stockport Liberals as prospective Parliamentary candidate for the constituency.

**MR. R. RUSSELL.**—Who has been appointed pharmaceutical sales manager of Vitamins, Ltd. (see p. 455) takes over from Mr. F. C. Crabbe, who has left to take up another appointment. Mr. Russell joined Vitamins, Ltd., in 1953, as area manager for the South-West, based on Bristol. His new headquarters will be at the company's head office at Hammersmith.



**MISS A. M. NEW.**—M.P.S., Parkgate, Wirral, Ches, who retired recently, was pharmacist at Birkenhead Children's Hospital and not as previously stated (see *C. & D.*, October 12, p. 401).

**MR. C. J. LYNN.**—Vice-president and a member of the board of directors of Eli Lilly & Co., Indianapolis, Indiana, U.S.A., was decorated with the Order of the British Empire by the Queen during her recent visit to North America. The decoration was "in recognition of his outstanding service in the cause of Anglo-American friendship and understanding." Mr. Lynn is a founder-director of Eli Lilly & Co., Ltd., Basingstoke.



## LEGAL REPORTS

### Injury Claim Fails

A CLAIM for damages for injuries received when her finger was trapped in the door of the pharmacy of Price, Wynne, Ltd., Bedford Road, Rock Ferry, was lodged in Birkenhead county court on October 14 by Miss Dorothy B. Wallace. Miss Wallace said she was leaving the shop when suddenly the wind slammed the door. The injuries to her finger caused her to be an out-patient at a hospital for nine months. For the company it was represented that the door was similar to doors in use in chemists' shops throughout the country. To hold the defendants liable would mean that the doors of shop premises, or even of houses, would have to be fitted with an automatic device to prevent them closing suddenly. There must have been momentary carelessness by Miss Wallace in gripping the door instead of the handle of the door. Judgment was given for the defendant.

### Sentences Varied on Appeal

SOME of the fines (total £75) imposed at Tottenham magistrates' court on September 19 on Alfred Jason, 17 Queens Avenue, Muswell Hill, and Phillips Chemists (Tottenham), Ltd., 203 Lordship Lane, N.17, for contraventions of the Dangerous Drugs Act (see *C. & D.*, September 28, p. 340) were varied on appeal at Middlesex Sessions Appeals Committee on October 15. The fines against each defendant were reduced to £48, and permission was given for the money to be paid at the rate of £1 a week. "We do think it is reasonable to take into consideration that six of the summonses are duplicating the other nine. The penalties must remain unaltered with regard to the nine, but on the six additional summonses they can be reduced to 10s. each," said the chairman, the Hon. Ewen Montagu, Q.C. Counsel for the respondent had said that each defendant had pleaded guilty to fifteen summonses relating to contraventions of the Dangerous Drugs Regulations. There had been six convictions for failing to make a note of the date on prescriptions at the time of dispensing, and nine for failing to enter in the register details of drugs supplied on prescription. The appeals were on the ground that the sentences were too severe. The company was a private one incorporated about three years ago. Jason was its superintending pharmacist and a director of the company. On July 2 a detective-sergeant called at the shop for a routine check. He asked to see the Dangerous Drugs register and asked Jason if he had any prescriptions not entered. Jason produced two prescriptions. After the officer had been told that neither had been entered in the register he could see that no date had been marked. For the appellants it was urged that nobody had received drugs to which he was not entitled. All the prescriptions were available to the police, and the balance of drugs in the shops was in order. Although Mr. Jason was a director of the company he only held one share in it. He was in reality a salaried man-

ager who was a pharmacist. His age was twenty-nine and he was paid £15 a week. The company was, for practical purposes, Mrs. Phillips, who drew £12 a week for the part she played in the business.

## BUSINESS CHANGES

EASTERN WHOLESALE SUPPLY CO., have removed to 175 Bow Road, London, E.3.

BOOTS, LTD., have acquired the pharmacy of W. S. Stephenson, Ltd., 31A Southampton Road, Ringwood, Hants.

### Appointments

VITAMINS, LTD., Upper Wall, London, W.6, have appointed Mr. R. Russell their pharmaceutical sales manager.

PAINES & BYRNE, LTD., Perivale, Greenford, Middlesex, have appointed Mr. R. MacFadzean, M.P.S., their medical representative in East and North-east London and Essex.

## COMPANY NEWS

Last year's figures in parentheses

UNIVERSAL METAL PRODUCTS, LTD.—Mr. Arthur Waddington has been appointed an executive director.

SMITH & NEPHEW ASSOCIATED COMPANIES, LTD., and SOUTHALLS (BIRMINGHAM), LTD.—Negotiations have been opened with a view to the possible merger of Southalls (Birmingham), Ltd., with Smith & Nephew Associated Companies, Ltd. Assets of Smith & Nephew on December 31, 1956, were over £7 millions, while those of Southalls were nearly £3 millions.

BARCLAY & SONS, LTD.—The company has purchased the whole of the issued shares of K. A. Thiel, Ltd., Brighton. Mr. S. S. Howard, M.P.S. (chairman and managing director of K. A. Thiel, Ltd.), has joined the board of Messrs. Barclay as sales director and Messrs. J. D. Akers and K. L. Haigh have joined the board of Messrs. Thiel. Consequent upon the amalgamation Mr. Rivers Royston has resigned from his position as sales manager of Barclays.

## OVERSEAS VISITS

MR. W. MORGAN THOMPSON (recently appointed managing director, Miles Laboratories, Ltd.), left London on October 17 for a visit to the parent company, Miles Laboratories, Inc., Elkhart, Indiana. He expects to return to London on December 7. MR. C. H. KYTE (a director of Miles Laboratories, Ltd., and Don S. Momand, Ltd.), is leaving London on December 6 for a visit also to the parent company.

DR. G. L. MAISON (president, Riker Laboratories, Inc., Los Angeles), who has been on a short business visit to Britain left London by air on October 25 together with Mr. John Lumley (managing director, Riker Laboratories, Ltd.), for a visit to India, Australia and New Zealand. Mr. Lumley will also be paying a visit to Riker Laboratories, Inc., returning to England from there on December 18.

## INSTRUMENTS AND APPARATUS

**Eyepiece and Stage Graticules.**—A leaflet describing a comprehensive range of eyepiece and stage graticules for use with microscopes and other optical instruments is obtainable from James Swift & Son, Ltd., 113 Camberwell Road, London, S.E.5. The leaflet is designed to enable the potential user of such measuring and counting devices to visualise the type most suited to his needs.

**X-ray Camera.**—An 8-p. booklet describing the Rimsky retigraph, an x-ray camera capable of photographing without distortion the reciprocal lattice of a diffracting crystal, is available from Hilger & Watts, Ltd., 98 St. Pancras Way, London, N.W.1. The camera, which is made by Enraf-Nonius, Delft, Holland, is claimed to be simpler in principle and operation than other cameras previously designed for the same purpose.

## TRADE NOTES

**Discontinued.**—Roche Products, Ltd., 15 Manchester Square, London, W.1, announce that stocks of citro-Thiocol and calcium-D-Redoxon are exhausted and both products discontinued.

**Hydrocortisone in Greasy Base.**—Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, announce that, with the advent of the new British National Formulary, they are introducing greasy ointments of hydrocortisone conforming to the Formulary specification. The non-greasy HydroCortisyl skin ointments continue to be available for those prescribers who prefer a non-greasy base. Packs, strengths and prices are the same for both products.

**Ammonia Diffuser.**—The manufacturers of Smoggit ammonia diffuser, Clay & Abraham (Mnfg.), Ltd., 2 Upper Duke Street, Liverpool, 1, believe that the product is the only one, apart from masks, that is available to counteract the effects of smog. Smoggit, which is issued in a plastic squeeze bottle, is used out of doors by removing the cap and holding the bottle under the nose, and indoors by leaving the bottle standing with cap removed. The product is granular (it contains no liquid).

### Bonus Offers

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.1. Val-pak. Fourteen invoiced as twelve.

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23. Desogen lozenges. Offer (see *C. & D.*, September 7, p. 248) closes October 31.

OSBORNE, BAUER & CHEESEMAN, LTD., (agents: SANGERS, LTD., 258 Euston Road, London, N.W.1). Glymiel jelly. On minimum £10 order, 10 per cent.; £7 10s., 7½ per cent.; £3 10s., 5 per cent.

ASSOCIATED PRODUCTS, LTD., Eldon Street House, Eldon Street, London, E.C.2 (distributors: FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1). Tattoo lipstick, new formula, large size. Eighteen for sixteen.

## NEW PRODUCTS AND PACKS

**Liquid Oral Penicillin V.** — A new presentation of penicillin V, Eskacillin V, is being marketed by Smith Kline & French Laboratories, Ltd., Coldharbour Lane, London, S.E.5. Pleasantly flavoured, the product contains 62.5 mgm. of phenoxyethyl penicillin per standard medical teaspoonful, and is available in bottle containing 2 fl. oz.

**Builder of Protein Tissue.** — G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks, announce the introduction of a new speciality, a therapeutic agent for protein-tissue building unaccompanied by significant virilisation. The new product, Nilevar, is available in bottles of twenty-five and fifty 10-mgm. oral tablets, and in box of six 1-c.c. ampoules (25 mgm. in each) for intramuscular injection.

**Prednisolone with Aspirin.** — Glaxo Laboratories, Ltd., Greenford, Middlesex, have made available in the home market a new speciality, Predasin tablets, each containing 0.5 mgm. of prednisolone (as acetate) and 300 mgm. of acetylsalicylic acid. The tablets are uncoated and scored. In the recommended dosage they provide relief from pain and stiffness in many rheumatic disorders. As the dose is small there is no risk, the manufacturers state, of corti-

costeroid side-effects. The tax-free dispensing packs are containers of fifty and 500 tablets. Predasin tablets may, under the Therapeutic Substances Act, be supplied to the public only against medical prescription.

**Medicated Hand Cream.** — Genatosen, Ltd., Loughborough, Leics, are launching in the Midlands television area a medicated hand cream, Seb,



containing allantoin. The packs are a sachet holding sufficient cream for about twenty applications and a bottle containing two to three months' supply.

**New Formula, Large Size.** — Associated Products, Ltd., Eldon Street House, Eldon Street, London, E.C.2, are



launching a new Tattoo lipstick made to a modified formula and in a large size. One of the new shades in which the lipstick is available, Pink Glow, is described as "a deep warm pink of glowing intensity." The five other shades in the range are ballerina red, Tahiti pink, rock 'n' roll pink, coral sea and black magic. The lipstick is in an engraved gilt case, and a display stand with six tester lipsticks is available. The distributors are Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

## NEW PREMISES FOR A WHOLESALER

An improved service for chemists in the South Lancashire area

NEW premises, comprising offices and warehouse, for the wholesale and manufacturing chemists, John Knox (Stoke-on-Trent), Ltd., and Heath Bros. & Sons, Ltd., were officially opened on October 3 by the mayor of Salford (Councillor A. G. Wild). The two companies became associated in January 1956 and by June of that year a comprehensive range of stock of the ethical products of all manufacturers was installed and a daily delivery service instituted. The new building has three floors, with a single-story warehouse at the rear.

At a celebration lunch held in Manchester on October 4, Mr. F. W. Tomkinson, M.P.S. (sales director), dealt with the growth of the companies and their desire to give the pharmacist of South Lancashire a speedy and reliable service. The new building, he said, with its greatly improved facilities, would play a large part in achieving that aim.

Mr. C. H. Coxon, M.P.S. (managing director), spoke of the help received from the Salford and Manchester municipal officials during the developing of the new premises. He traced the growth and outlined the activities of the two companies. In 1937 John Knox, comprehensive supplier to the retail pharmacist, was established at Hanley, Staffs. In 1943 a warehouse and depot was opened in Birmingham, and the associated company, John Knox (Midland), Ltd., was formed. In 1944 the company's present premises in Fenton, Staffs, were purchased, but owing to war difficulties were not opened until 1947, when the move was made from Hanley. In 1948 a depot to serve the Fylde area was opened in Blackpool.



The mayor of Salford formally opens new building in Manchester of John Knox (Stoke-on-Trent), Ltd.

Business in the Manchester area was steadily growing, too, with regular deliveries by van from Fenton. When an opportunity came later to acquire an interest in Heath Bros. & Sons, Ltd., the old-established sundries firm at Chapel Street, Salford, it was taken, with resultant improved service to customers. Heath Bros. was set up at Shudehill, Manchester, in 1887. Later the firm moved to Blackfriars Street in the city, and in 1925 went to bigger

premises in Salford. In 1940, however, enemy action completely destroyed the premises, and temporary accommodation had to be found. Now both companies were amply accommodated in the new building.

Among the guests at the luncheon were Alderman Leslie Lever (M.P. for Manchester, Ardwick), officials of the Manchester and Stockport Branches of the Pharmaceutical Society, and of the Northern Wholesale Druggists' Association.

## PHARMACIES OF BRITAIN—63



## THE FOREST ROW PHARMACY OF MR. W. CLARK

The pharmacy of Mr. W. Clark, Forest Row, Sussex, is part of a delightful row of old Sussex cottages. The three-sided bay window is, of course, more modern than the rest, but it blends harmoniously enough with its surroundings. The upper walls are tile-hung on a diagonal pattern. The door appears to be early eighteenth or late seventeenth century, and the good luck of the establishment is guarded by a horseshoe hung over the lintel.

# Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

## Don't Make It Up

SIR.—I would beg to draw the attention of your readers to the October 11 edition of the *Radio Times*. In its pink supplement ("Lesson 5," October 21) there are, at the page-base, three recipes. The middle one—a hair tonic, contains industrial spirit. Any pharmacist making up the product is committing a breach of Customs and Excise regulations. Surgical spirit must not be substituted—it is an offence to mix that with any other ingredient. The Customs and Excise authorities are taking action.

Derby

L. W. HOWARD

## Mees Memorial Fund

SIR.—The Guild of Public Pharmacists has decided to close on November 16 the memorial fund to the late Mr. Arnold Mees. It was felt that, as the announcement regarding the opening of the fund appeared at the commencement of the holiday season, there may still be many, both members of the Guild and friends, who may wish to contribute. The fund now stands at £181 8s. and I should like to thank sincerely on behalf of the Guild all those who have already given so generously to the memorial.

E. P. BUTTON, President,  
GUILD OF PUBLIC PHARMACISTS  
Manchester, 16

## To Women Pharmacists in London

SIR.—We would like to bring to the notice of pharmaceutical students and of women pharmacists who have not as yet attended meetings of the London Group (formed twelve months ago) of this Association, that the president (Miss M. C. Dodd) is inviting members and other women pharmacists to an evening meeting to be held at 17 Bloomsbury Square, London, W.C.1, on October 30. Refreshments are being served from 7.30 to 8.15 p.m., and Mr. H. Steinmann (a member of Council, Pharmaceutical Society) is then addressing the meeting on "Have We Thought of the Future?"

NORA WILLIAMS, Secretary

NATIONAL ASSOCIATION OF WOMEN  
Reading PHARMACISTS

## Hydrocortisone Ointment, B.N.F.

SIR.—The new edition of the British National Formulary contains a monograph on hydrocortisone ointment which specifies that the active principle should be compounded "... in a suitable greasy basis, such as 10 per cent. of wool fat in white soft paraffin." As one of the companies primarily concerned with the manufacture of hydrocortisone ointments, we should like to be allowed to explain to your readers why our present preparation does not conform to the B.N.F. specification. We learn from the Formulary Committee that it is proposed to confine the description "ointment" to products that are predominantly greasy in nature. For those hydrophilic preparations generally referred to as "non-

greasy," the Formulary Committee would like to allocate the description "cream." Thus a non-greasy type of product would, if adopted as standard, be entitled "hydrocortisone cream, B.N.F." The Committee was kind enough to inform this company that it has not yet been able to develop a formulation of that nature which meets their satisfaction. That is the reason no "hydrocortisone cream" appears in the 1957 Formulary. May we therefore make the point that the omission of this type of preparation from the National Formulary in no way infers that it is inferior to the standard preparation or has been omitted in favour of a greasy-type vehicle. In fact, we have no reason to doubt that many prescribers will continue to find the water-miscible preparation superior. However, in order to meet the requirements of prescribers who prefer the B.N.F. formulation, we are making such a product available. We shall clearly label the new alternative product "B.N.F."

K. H. R. COLLARD, B.A., M.P.S.,  
*Roussel Laboratories, Ltd.*  
London, N. W. 10

## Leadership

SIR.—I was interested to note the criticism by Xrayser (*C. & D.*, September 28, p. 337) of the collaboration by the National Pharmaceutical Union with various manufacturers in television publicity for various toilet preparations. One would, like Xrayser, have thought there were more appropriate subjects for exhorting the co-operation of pharmacists. For many years economic factors and, some would say, poverty in leadership detracted from the advancement of the professional status of pharmacists, but with the advent of the National Health Service a much more favourable situation was established. At that time the aim might well have been to establish the pharmacist as the distributor of all worth-while medicines. To that end he should have been urged to take a more critical interest in all the medicinal preparations passing over his counter. Such an approach has been conspicuously absent in N.P.U. policy and we have instead, as the one forthright pronouncement on collective action, a scheme supporting the promotion of sales of face powder, lipstick and the like.

PHARMACEUTICAL CHEMIST

## "Dispenser" or "Pharmacist"?

SIR.—While I am in general agreement with your correspondent Mr. T. D. Whittet (*C. & D.*, October 19, p. 427) over the unfortunate use of "dispenser" for "pharmacist," I must disagree with him on two points. In a large general hospital, "pharmaceutical department" is a clumsy but usually more accurate description than either "pharmacy" or "dispensary." We must be clear about the changing meanings of words. Today, the term pharmacy would be better used to de-

scribe the laboratory in which pharmaceutical manufacturing and assaying is carried out, and dispensary to describe the room, or rooms, in which prescriptions are filled. Let us also be clear about the function of the alleged "unqualified" dispensers, most of whom are thoroughly trained in practical pharmacy and *materia medica* and hold the certificate of the Society of Apothecaries of London. It is wrong to call such "unqualified." From personal experience I can assure Mr. Whittet that many of these "certified dispensers" can carry out far from simple techniques every bit as carefully and skillfully as any pharmacist. Do not forget that the assistant who doled out the mixtures, pills, etc., was often first called upon to make them!

LESLIE G. LUKER, B.Sc., M.R.I.,  
*Principal, London College of  
Pharmacy and Chemistry for  
Women, London, W.2*

## Subscriptions Invited

SIR.—With the retirement from this committee of Mr. D. W. E. Barker, a link with the past has been severed. Mr. Barker was the last surviving member of the original Hertfordshire Pharmaceutical Committee, formed in 1912, of which he acted as secretary for twenty-five years. In 1937, when Mr. S. T. Millbank retired as chairman of the Committee, Mr. Barker was elected in his place and held office until he retired. That service to the chemists in the county of Hertfordshire during these forty-five years was invaluable, and the wide knowledge and experience Mr. Barker brought to bear on the work of the committee will be much missed. Such a unique record of service and untiring efforts on behalf of all the pharmacists in the county deserves some tangible recognition, and at the last meeting of the Committee it was decided to invite subscriptions to a fund for that purpose. It is suggested that such a donation should not exceed 10s., which should be sent to Mr. H. F. Hayllar, M.P.S., Secretary, Herts Pharmaceutical Committee, 35 High Street, Hoddesdon, Herts, within fourteen days.

E. E. RUSSELL, Chairman  
J. F. MCNEAL, Vice-chairman  
H. F. HAYLLAR, Secretary  
*Hertfordshire Pharmaceutical Committee  
Hoddesdon*

## Thanks and a Disclaimer

SIR.—I wish to express and convey my sincere thanks to all the members of the Pharmaceutical Society of Ireland who supported me in the recent Council election. I take this opportunity to state emphatically that I have no business connection whatsoever with a van owned by a J. Kissane, Ltd., calling on chemists and traders, and that at no time have I had any association with the said company. May I accordingly thank members who voted for me for giving no credence to a false rumour.

Tipperary JOHN P. KISSANE



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## In a Wider Setting

PROBABLY it is no mere coincidence that the chemical industry is among those which, in Britain, have shown the greatest recent expansion and that it numbers among its captains a man of the breadth of vision of Sir Alexander Fleck. In his Wyld Memorial lecture recently (*C. & D.*, October 19, p. 431) he spoke of the past history of the chemical industry with candour but put past faults in perspective. "Large areas of the countryside have been made hideous" and "much of the surrounding countryside was made useless for farming" by the industry. From new technologies of the 1870's "women and children suffered. Hours were inhumanly long. Deformities . . . were part of the price paid for cheap and universal consumer goods."

From that state of affairs Sir Alexander was able to describe a great change. "We still have a long way to go, but there is in industry good evidence of a more general attitude of responsibility to the community." Most important of all, "we have a vested interest in a stable world." The achievements of Sir Alexander Fleck's own corporation in human relations, industrial safety and welfare provide proof that his claim is supported by appropriate action, and Mr. G. F. Williams was equally justified in proclaiming in his address as chairman at the annual dinner of the Association of British Chemical Manufacturers (*C. & D.*, October 19, p. 439) that "the Association had continually striven to maintain a high standard of safety throughout the industry."

That the same broad outlook can be looked for in the more limited subject of the future of pharmacy is proved by the statesmanlike address given by Sir Hugh Linstead at the meeting of the council of the International Pharmaceutical Federation in Jugo-Slavia in September (*C. & D.*, October 19, p. 424). Sir Hugh was commenting on the large common territory between pharmacy as practised in that Communist country and elsewhere in Europe. That was testimony, he said, to two things. One was the scientific basis of pharmacy, which took it out of the field of commerce and through national barriers. The second was that the foundation of the pharmaceutical practice was the qualification and professional integrity of the individual pharmacist. "Whether pharmacy is practised mainly by private pharmacists, as in Britain, or mainly by pharmacists who are on the staffs of health authorities, as in Jugo-Slavia, they both fulfil the same function. They stand between doctor and patient to ensure that the patient receives the medicine prescribed for him."

It is salutary to be compelled for a moment by such speakers as the chairman of Imperial Chemical Industries, Ltd., and the chairman of the I.P.F. to stand outside our immediate environment and to view our future in relation to that of society as a whole. Sir Alexander's emphasis was on technology's power to resolve the present imbalance between industrialised countries and the underdeveloped areas of the world, Sir Hugh's on maintaining the qualities of skill and integrity of one particular technologist: the pharmacist. Both messages are messages of confidence and hope, and both hopes are within the capacity of man to realise, if he makes the effort.

## A Book to Broaden the Outlook

"WHEN considering the treatment of burns and scalds, three factors have to be considered, namely the effects of shock, sepsis, and scar formation. Shock is apparent soon after the accident and is a potent source of trouble and death, even within the first day or so. As far as sepsis is concerned, anything that is sufficient to burn body tissues is equally capable of destroying any micro-organisms that are at the site of the burn. Sepsis, therefore is a complication which may arise some time after the accident. Scar tissue is the final result, and its effects are measured by the functional ability of the affected part. The importance of the depth of a burn, however, depends largely on the probable scar which it may cause . . . the area of the burn is more important than the depth."

That passage, quoted from "Essentials of Treatment," well demonstrates the value of that work to the practising pharmacist. In language that could hardly be simpler, and in words that could hardly be fewer and still carry their meaning, the author contrives to concentrate the whole underlying approach and knowledge of the medical man.

Gone are the days when all that a pharmacist needed to know of a disease was the best formula from his recipe book for making up a product that could be sold over the counter to alleviate it. The prescriber looks more and more to the pharmacist for information about drugs, synthetic medicinal compounds and formulations for the modern treatment of the ills to which patients are prone, and nobody can convey to the doctor's mind the essence of the required information unless he has an insight into the doctor's line of thought, based as it is on a long training in anatomy, physiology, diagnosis and the rest. Along those paths the pharmacist cannot accompany him even if it were desirable that he should do so.

It is the merit of "Essentials of Treatment" that it distils for its readers the quintessence of the knowledge the medical practitioner has laboriously acquired and presents it with the limpid clarity of a master. The author, who qualified as a pharmacist before graduating in the related field of medicine, takes for granted the pharmaceutical background of his reader, leading him on to look at familiar things from a new but illuminating viewpoint, and at unfamiliar ones with the confident knowledge that they readily dovetail into the structure of what he already knows. As a piece of continuous reading the book leaves the reader with the pleased feeling that he knows his way around the subject. As a reference work for the subsequent answering of specific queries it is a "must" on the chemist's bookshelf.

# UNITED STATES DRUG INDUSTRY

## Leading companies' steady rise in business in past four years

**F**ROM the tables in the adjoining column it will be seen that the major trend of business for all the important pharmaceutical companies has been steadily upwards over the past four years.

**ABBOTT LABORATORIES.**—Capital expenditure during 1956 was given as \$3·3 millions, with the cost of capital improvements for 1957 estimated at \$5 millions. Projects envisaged included the completion of a chemical manufacturing building at North Chicago, a full scale manufacturing plant in Argentina, new domestic branches and the start of a major addition to the research building.

**AMERICAN CYANAMID.**—The antibiotics division of the Heyden Chemical Corporation and a plant at Princeton, New Jersey, were acquired in December 1953. The next year the company participated in the formation of the American Synthetic Rubber Corporation, which purchased a government-owned synthetic rubber plant at Louisville, Kentucky. In 1956 the company acquired the business and properties of the Formica Co. in exchange for 576,692 Common shares. Charges to capital account for additions and improvements to physical facilities in 1956 amounted to \$49·4 millions. That was stated to be part of an overall capital programme totalling approximately £150 millions to be completed during 1957-58. Another recent development was the acquisition of MacGregor Instruments, Needham, Mass.

**AMERICAN HOME PRODUCTS CORPORATION.**—Sales for 1956 were given as 47 per cent. for "ethical" drugs, 17 per cent. for packaged drugs and cosmetics, 18 per cent. for food and 18 per cent. for household products, with foreign sales 18 per cent. of the net total. The ethical drug division was stated to have shown the largest gains, with the aid of the company's new tranquilliser products, Equanil and Sparine, so that it accounted for over half of the total earnings. It was also envisaged as expanding at a faster rate than the other divisions. The subsidiary company, Ayerst, was noticed with the news that it was interested in marketing the British anaesthetic Fluothane.

**MERCK & CO.** merged with SHARP & DOHME in April 1953, and that was stated to have improved the cash and working capital position. Following the merger, operations were divided into three main divisions:—Chemical division concerned with the development, manufacture and sale of medicinal, nutritional, agricultural and industrial chemicals; the Sharp & Dohme division operating the pharmaceutical and biological business, including the marketing of speciality products; and the international division conducting all the foreign business. The sales of the last-named were stated to have accounted for 23 per cent. of the 1956 volume.

**OLIN MATHIESON CHEMICAL CORPORATION.**—Formed in August 1954 through a merger of Mathieson Chemical Corporation and Olin Industries, the resultant combination, under the E. R. SQUIBB label, manufactures drugs and pharmaceutical products for the medical and related professions as well as a line of household medicinal products. Operations are now conducted in twenty-four States, in Latin America, and in Europe and Asia. Foreign sales were stated to have been 6 per cent. of the consolidated total.

**PARKE, DAVIS & CO.**—About six hundred different items of the company go direct to retail outlets, hospitals and institutions and through the wholesale drug trade, with more than half the current sales and earnings from products developed in the past ten years. 1955 sales were: 63·5 per cent. general pharmaceuticals; 28·5 per cent. Chloromycetin; 3·2 per cent. other antibiotics, and 4·8 per cent. surgical dressings. The 1956 figures were stated to have been substantially the same but with Chloromycetin somewhat higher. At the end of 1956, too, net assets in foreign countries were given as around \$29·5 millions.

**CHAS. PFIZER & CO.**—Business is conducted through five divisions:—Chemical division, which accounted for 21 per cent. of 1956 sales (manufactures vitamins, bulk antibiotics, citric acid and various industrial chemicals); the Pfizer Laboratories division, which accounted for 32 per cent. of sales, manufacturing antibiotics; the agricultural sales

### ABBOTT LABORATORIES

	Net sales	Net income	Current assets	Current liabilities
(Figures in million dollars)				
1953 ...	88·1	9·2	61·7	22·3
1954 ...	88·1	8·7	61·9	23·8
1955 ...	91·7	9·7	62·6	24·6
1956 ...	96·8	10·9	64·7	26·0

### AMERICAN CYANAMID

1953 ...	380·4	27·5	222·7	79·7
1954 ...	397·6	27·0	262·2	77·5
1955 ...	451·1	38·7	284·9	89·7
1956 ...	500·7	44·3	300·5	97·7

### AMERICAN HOME PRODUCTS

1953 ...	188·3	13·1	92·9	30·2
1954 ...	203·1	16·2	95·6	32·6
1955 ...	234·5	20·5	103·4	40·1
1956 ...	295·5	31·3	123·1	53·0

### MERCK & CO.

1953 ...	160·0	11·4	68·0	12·1
1954 ...	145·5	12·6	70·8	9·2
1955 ...	157·9	17·1	93·6	27·8
1956 ...	172·4	20·2	102·8	29·3

### OLIN MATHIESON CHEMICAL CORPORATION

1953 ...	243·5	18·7	109·9	26·7
1954 ...	470·1	34·2	229·8	55·1
1955 ...	560·4	44·5	259·5	65·9
1956 ...	596·6	44·7	262·9	80·1

### PARKE, DAVIS & CO.

1953 ...	109·9	9·3	72·4	24·6
1954 ...	109·9	10·5	72·6	24·1
1955 ...	123·1	14·3	84·0	30·5
1956 ...	134·1	17·7	99·0	36·4

### PFIZER, CHAS.

1953 ...	127·0	14·2	84·1	33·7
1954 ...	145·2	15·2	83·8	28·9
1955 ...	163·8	15·3	96·9	33·5
1956 ...	178·4	18·2	107·9	35·4

### REXALL DRUG

1953 ...	189·2	3·3	64·9	20·1
1954 ...	176·1	1·9	65·1	18·8
1955 ...	153·5	4·1	67·4	19·7
1956 ...	155·6	4·5	66·7	20·8

### SEARLE, G. D.

1953 ...	23·8	4·1	10·8	1·4
1954 ...	24·3	5·8	13·9	1·7
1955 ...	26·0	6·1	17·2	2·1
1956 ...	28·2	6·5	18·7	2·3

### SMITH KLINE & FRENCH

1953 ...	52·9	4·9	17·4	6·0
1954 ...	65·3	9·3	20·7	5·4
1955 ...	91·6	16·0	26·3	6·6
1956 ...	104·6	18·0	28·5	8·0

### STERLING DRUG

1953 ...	161·7	11·6	72·5	23·7
1954 ...	164·3	13·1	76·8	24·9
1955 ...	166·9	15·7	77·8	24·8
1956 ...	177·7	16·9	82·6	27·5

division, which produces antibiotic and vitamin fortified feed supplements and accounted for 8 per cent. of 1956 sales; and the Roerig, which division handles a line of packaged vitamins, accounting for 6 per cent. of 1956 sales. Net assets of foreign subsidiaries and branches were stated to be \$34·2 millions as at November 30, 1956.

The Rexall Franchise division of the REXALL DRUG CO. distributes nationally advertised Rexall products to over 10,900 franchised stores in the United States and Canada. Company-owned stores at the end of 1956 numbered 158, against 165 at the close of 1955. Principal manufacturing companies are the Seamless Rubber Co., Mass. and Conn., the Absorbent Cotton Co., Valley Park, Mo., United Cotton Products Co., Mass., and the Eastern Tablet Corporation, Albany, New York. Riker Laboratories, Los Angeles, is the "ethical" drug manufacturing subsidiary. Another subsidiary, V.C.A. Laboratories, St. Louis, makes proprietary vitamin products.

SMITH KLINE & FRENCH LABORATORIES.—The entire stock of A. J. White, Ltd., London, England, was acquired in 1956. Menley & James, Ltd., which formerly marketed the company's products in Britain and other countries, was retained as an inactive company.

STERLING DRUGS.—The company supply a number of industrial, household, and toilet goods and has developed the Zimmerman process for the elimination of stream pollution caused by organic waste. Royalties from that process were envisaged as an important source of earnings in future years. Sales for 1956 were given as 78·1 per cent., for medical preparations; 12·3 per cent. for industrial products; and 9·6 per cent. for household and other products. Foreign business was returned as 34·9 per cent. of total consolidated sales, and consolidated foreign profits as \$6·4 millions, excluding operations in Argentina and Chile. Facilities constructed in the post-war years include twenty-two plants, six warehouses and two research laboratories.

## GOODWILL

### Today's basis involves three factors

**I**T has been the practice in the past to define goodwill as "the likelihood of old customers' resorting to the old place." Today, in face of the methods and conditions that modern business is subject to, such a definition leaves itself much open to criticism because it is inadequate. It is based upon the presumed fixed habits of a public whom all know to be variable in its loyalties where the pocket is concerned.

The deciding factors relating to goodwill are truly very different today, and can be summed up as: Customers—staff—suppliers. No longer do we think only of the regular customers, though they are important still. It is the customer potential that is considered. If a shop situated in a busy shopping centre, and near a bus stop, were to rely solely upon regular customers for its business, its turnover would be small. In practice the passer-by and "popper-in" are encouraged, for their numbers are greater. Should the shop be the only one of its kind upon a housing estate, then the majority of the customers could be classed as regulars, for the opportunity of "passing" trade is negligible. The true regular is one who buys all his, or her, needs from one shop, but, as a large proportion of the inhabitants on the estate work away from home, they are the passers-by of another business. For that reason customers must be thought of in the broadest way.

As to staff, it is necessary that they should be happy by reason of receiving adequate payment for their services, plus reasonable consideration in a congenial environment. It is outside the scope of this article to discuss the moral relationship of employer and employee, but the three points given are basic, for it is upon them that the opinion of the business held by the employees rests, and in consequence is reflected in the way they carry out their duty.

To be brutally crude, it is easier to sell cheap goods dear in large quantities if the sellers have a pleasant manner and a willingness to put themselves out for the customer, than it is to sell dear goods cheap if there is only the bargain involved and no *finesse*. A good firm has a good staff and satisfied customers, and in turn good profits and a valuable goodwill.

Lastly there is the question of the suppliers. Just how important it is that they should hold a firm in high esteem is self-evident. That result can only be gained by a mutual respect.

A new definition of goodwill might be "the possibility to continue trading where the conditions—customer potential, staff and suppliers—are equal to those existing during the time of the previous owner."

Goodwill comes under discussion only when a business is changing hands, and only then if the business is going to continue. A new business has no goodwill. When, during the

course of the negotiations, the subject is raised, it is a matter that should be discussed freely between the parties concerned and its value agreed upon mutually.

As in all discussions there are at least two points of view; and the vendor must assess what it is worth to him to give up the future profits of his business by surrendering his income, which is equal to those profits. It should, however, be borne in mind that it is not easy to calculate future profits. The buyer, for his part, values goodwill as what it is worth to him to take over the business, and all its advantages, such as any patents, trade-marks, it possesses, the value of those being usually included in the goodwill. Although the valuation will be based upon the opinion and policy of the owner when he considers the earning capacity of the net assets being taken over in relation to the business, important contributory factors in assessing goodwill are site value and the number of years that the business has been established, together with reputation.

Theoretically, the average of past profits is of little importance, as it is the future trend of the business that is vital. In practice, however, the value is based upon the past profits over a number of years, the period varying according to the class of business. The average profit calculated over the past three years, plus 25 per cent., is often considered a good guide to the goodwill value.

Where, as often happens, a lump sum is paid for a business, and the only separate valuation is that of the stock, it is difficult to define the value of the goodwill. In such instances it is only fair to assume that the goodwill of the business is the excess of the purchase price over the considerations paid for in it, such as fittings and fixtures.

The purchaser of a business, having taken over many tangible and one important intangible asset, must consider those assets in relation to the balance sheet. By their very nature and tangibility, fittings become affected by usage and time, often visibly so, and their original cost can be written down, or depreciated, each year. But it is difficult to assess the effect of any immediate influence on goodwill, and because of that it must never be depreciated as the fittings have been, or an attempt made to revalue it from year to year. It may appear to be a strange thing to say, but it is only possible to write down the value of goodwill when it is in fact increasing in its value. It is then written down from the profits when the business is doing sufficiently well for such a procedure not to affect those profits adversely.

If that has been the practice of the previous owner it must be borne in mind when a comparison is made between the purchase price of a goodwill and that shown in the books. The new value as agreed upon is the proper one, and it has no relationship with what has gone before.

# MEDICAL ABSTRACTS

## A LIVE INFLUENZA VACCINE

AN attenuated virus vaccine against Asian influenza has been tested in Russia by thirty volunteers (*Lancet*, 1957. 2. 735). Zhdanov and others report the attenuation, by four to six passages in chick embryos, of influenza strains, isolated in 1957 and similar to strain A (Singapore) 1957. It was possible to use the newly isolated strains for the preparation of a live vaccine. Three influenza virus strains were tested, each on ten volunteers. The vaccine was not injected but introduced into the nasal passages with a pipette. Clinical reactions were moderate and antibodies to the influenza virus used as vaccine increased in all volunteers.

## EVACUANT SUPPOSITORY

A CLINICAL trial of an evacuant suppository containing 4, 4 diacetoxyl-diphenyl-2-pyridyl-2-methane (Dulcolax) shows it to be capable of replacing the enema in a high percentage of cases (*British Medical Journal*, 1957. 2. 866). In the first trial 289 suppositories were administered to eighty-four patients, the majority of whom were frail and aged. In eighty-eight per cent. of the cases the result was a single action of the bowel. Forty-eight patients were treated in the second series of tests when excellent results were obtained with one suppository in 84 per cent. of the instances when an enema would have been given. Side effects observed were negligible and the benefits to patient and nursing staffs are stressed.

## NICOTINIC ACID AND BLOOD CHOLESTEROL

THE administration of nicotinic acid orally in doses of 3 to 6 gm. daily to twenty-four patients with hypercholesterolaemia resulted in significant reduction in blood cholesterol levels in sixteen (Parsons and Flinn, *Journal of the American Medical Association*, 1957. 2. 234). Normal levels were attained in six to eight patients followed for thirty weeks or longer and in seven of sixteen additional patients followed for at least twelve weeks. The authors point out that the changes in blood lipids will not necessarily prevent atherosclerosis or arrest its progress. Evidence of such benefit could be obtained only by treating a large number of patients for many years and comparing the results with an untreated control group. That study is now in progress.

## COMBINED PAS AND ISONIAZID

THE claim that an equimolecular chemical combination of isoniazid and *p*-aminosalicylic acid exerts an antituberculous action which is independent of the constituent PAS and isoniazid is refuted by W. C. Walker and others (*Tubercle*, 1957. 2. 238). The drug (Dipasic) was investigated in an attempt to find a form of chemotherapy which would be effective in patients whose tubercle bacilli, owing to previous unsatisfactory treatment, were resistant to streptomycin, PAS and isoniazid. Eleven patients were selected for treatment. Ten received 500 or 600 mgm. of Dipasic daily in divided doses and one 300 mgm. daily. Prior to treatment and afterwards at monthly intervals, the patients were *x*-rayed, and their general condition, weight, erythrocyte sedimentation rate, temperature and sputum volume recorded. A close correlation was found between the degree of sensitivity to Dipasic and that found to isoniazid or PAS. There was no good evidence that the product acted differently clinically from isoniazid alone. The small PAS content, it was stated, probably had little effect clinically or on the emergence of isoniazid resistant organisms but bacilli resistant to isoniazid but sensitive to PAS might appear sensitive to Dipasic. In a survey of relative literature the authors found no good evidence for the claim that the use of Dipasic delayed or prevented the emergence of isoniazid resistant bacilli. Even if it did it would be less effective than isoniazid plus PAS in customary doses.

## UREA REASSESSED

UREA, the only effective diuretic of pre-mercurial days and now fallen into disuse, is reassessed in a systemic trial by Papp and Smith (*British Medical Journal*, 1957. 2. 906). They conclude: "At worst urea administration is never harmful . . . at best it may be the means of maintaining in a quiet occupation for several years a patient with grave valvular heart disease in whom that result is unattainable

by any other medicaments singly or in combination." The main objection to the use of urea was that it might cause vomiting and gastro-intestinal irritation. Further criticism concerned the diuresis produced, it being maintained that urea left sodium chloride in the tissues, removing only water. It was thus considered a poor substitute for mercurial diuretics, which removed both water and sodium. Others thought that the concentration of urea in oedema fluid soon attained the blood concentration, and its diuretic power, based on osmosis, thus became exhausted. Seventeen patients with right ventricular failure, in whom mercurial diuretics had become ineffective in clearing oedema and effusions, were treated with 15 gm. of urea dissolved in 2 fl. oz. of water or grapefruit juice, thrice daily. Treatment was maintained for periods of from two and a half weeks to seven years. In about 50 per cent. of the patients treatment was found to be effective even after mercury diuretics had become useless.

## NEW BOOKS

### Plant Protection Conference, 1956

*Butterworths Scientific Publications*, 88 Kingsway, London, W.C.2. 10 x 6 in. Pp. xi + 315. 50s.

THIS book contains the proceedings of the second international conference to be initiated by Plant Protection, Ltd., held at Fernhurst research station, Haslemere, Surrey, June 19-21, 1956 (see *C. & D.*, July 7, 1956, p. 9). In addition to the papers presented at the conference, and verbatim reports of all discussion, the book contains lists of delegates who attended and of those who participated in discussion, an index of chemicals used in crop protection, and a description of work undertaken at Fernhurst research station.

### Chemistry of Borates

PETER H. KEMP, B.Sc., A.R.C.S., D.I.C., *Borax Consolidated, Ltd.*, Carlisle Place, London, S.W.1. 8½ x 5½ in. Pp. 90. 12s. 6d.

RESEARCH on boron and its derivatives is at present being intensified both in Britain and in the United States. That there are many gaps in the knowledge of this field is accepted, but the author gives an up-to-date picture of the chemistry of boric oxide, boric acid, and some of the common borates and perborates. In a foreword, Professor H. G. Emeleus states that the work should provide a valuable stimulus to future research, particularly with x-ray and other physical techniques.

### Rogers' Inorganic Pharmaceutical Chemistry

TAITO O. SOINE, PH.D., and CHARLES O. WILSON, PH.D. *Henry Kimpton*, 25 Bloomsbury Way, London, W.C.1. 9½ x 6 in. Pp. 705. Sixth edition. 71s. 6d.

CHANGES have been made since the previous edition with the object of enabling the work to be advantageously used with the United States Pharmacopoeia XV and [U.S.] National Formulary X by students of pharmacy (and by pharmacists). Discussion on a number of non-official compounds of interest solely from a chemical standpoint has been discontinued. So have the discussions on pharmaceutical preparations in which the official inorganic compounds occur. Instead, a statement is included on the purpose of the compounds in each pharmaceutical preparation. The Periodic Table is dealt with in greater detail with more emphasis on electronic structure, chemical bonding, etc. Chapters on atomic structure and solutions have been added. As the text has been rearranged on the basis of the Periodic Table the table of contents has been dropped, though the alphabetical arrangement of the compounds of each element has been retained.

BEST ANTI-FEAR DRUG.—Useful propaganda for the pharmacist holder of a wine licence was given at the British Medical Association's annual meeting at Newcastle-on-Tyne in July. Dr. J. Hunt (secretary of the College of General Practitioners) said that there was "one anti-fear drug which is still the most popular and in many ways the best: alcohol." They were only just beginning to realise why, taken in moderation, it had managed to do so much good in the past. He knew an old doctor who had put some port into almost every bottle of medicine he made up, he said.

# PHARMACEUTICAL SOCIETY OF IRELAND

## Annual meeting

THE need for an increased entry into pharmacy was stressed by MR. MAURICE POWER in his address as acting president to the annual meeting of the Pharmaceutical Society of Ireland, held in Dublin on October 7.

MR. J. COFFEY asked what action had been taken regarding a motion passed at the previous annual meeting on "excessive sampling." MR. POWER, replying, said that the late president (Mr. McGrath) had been working on that matter shortly before his death. A meeting had been held between representatives of the "ethical" manufacturers, the Irish Drug Association, and the Society, and it was decided to hand the matter over to the I.D.A. as being one for the trade body. MR. J. A. O'ROURKE said a report of the meeting in the pharmaceutical Press had been inconclusive. MR. M. F. WALSH said his recollection was that the meeting was "very" conclusive, and that no case had been made, either by the Society or the I.D.A., for the allegation of excessive sampling. MR. COFFEY: "As the mover of the motion I feel a strong case could be made."

### Voting Figures

MR. J. G. COLEMAN (registrar), reporting the results of the Council election, stated that 725 voting papers had been returned, of which ten were rejected. The candidates with the highest totals of votes were:—

M. COSTELLO ..	629	T. R. MILLER ..	544
A. A. TOHER ..	590	M. F. BRODERICK ..	526
F. LOUGHMAN ..	579	J. P. KISSANE ..	418
J. J. O'REGAN ..	558		

The VICE-PRESIDENT declared those seven candidates elected for three years. Not elected were Messrs. M. Moore (416); and R. J. Semple (408).

At the beginning of his address Mr. Power, referring to the death of the late president (Mr. F. McGrath) said that Irish pharmacy had lost one of its outstanding members, who had carried the prestige of Irish pharmacy higher than any other man had done in his lifetime. Since the Society's previous annual meeting, they had also lost former Council members Patrick Brooke-Kelly and Matthew Parkes and "that lovable personality, who taught three generations of Irish pharmacists," Professor Harold Normanton.

### Animal Remedies Bill

"At that annual meeting," said Mr. Power, "we had news of the publication of the Animal Remedies Bill, 1956. That has since passed through the Oireachtas—or should I say "flew" through the Oireachtas, since it must have established a record for speedy legislation. When that Bill was first mooted a deputation from the Society saw the then Minister for Agriculture, and later his successor, pointing out practical difficulties in the proposed Bill, stressing that the labelling of extemporaneous preparations presented problems and that an alternative arrangement put forward by the Society would be more satisfactory to the chemist while equally effective in safeguarding the farmer and stock owner. Officials of the Department promised to bring the Society's proposals before the Minister, but when the Society's representatives did see Mr. Dillon (the then Minister), the Bill had already passed the committee stage, two days ahead of schedule.

"Mr. Dillon in his interview was reasonable and fair—but could not see our point of view. He gave assurances, which we accept without reserve, while realising that they will be of no validity when Mr. Dillon is no longer an active force in Dail Eireann. We made it clear that we welcomed an Act that would help to safeguard the interests of stockholders and farmers, and assured the Minister that pharmacists could be relied upon to co-operate in every way to make the Bill workable. What we could not concede was the tacit implication that the pharmacist might be guilty of

the practices that had led to the introduction of the Bill, and which we all know are connected with the activities of the travelling salesman. We asked for only one concession



INVESTING THE NEW PRESIDENT WITH THE BADGE OF OFFICE: Former president Mr. Michael Costello places the presidential badge on Mr. Maurice Power, following the latter's election as president at the October Council meeting of the Pharmaceutical Society of Ireland. Also in the picture is Mr. Hugh P. Corrigan, the new vice-president.

sion: that pharmacists should be allowed to continue to exercise their right to dispense animal remedies in the same manner as they dispensed remedies for human use. We suggested that the pharmacist could enter the formula for an animal remedy (prepared extemporaneously) in a prescription book, and that the reference number on the label would identify the preparation when a reasonable query might arise. The Minister declared that the clause was not intended to trap an erring pharmacist but was intended to ensure that the farmer would know what he was getting for a beast. My impression was that the Minister saw no reason to modify a Bill that was assured of an easy passage."

Mr. Power continued: "I should make it clear that the Society was not opposed to the clause which provided that "packed" lines (whether packed by a pharmacist or by a manufacturer) should carry the formula on the label. Our main argument centred on the proposal that extemporaneous remedies for veterinary use should likewise be labelled. We dealt with practical difficulties likely to arise, such as the cost of replacing stocks of labels, trying to write a formula on a small label, and trying to decide if a proprietary name was the recognised common name of a drug within the meaning of the Act. We are still unhappy about the Act," he declared, "and smarting from the injustice of a clause that deprives the pharmacist of a right he has enjoyed for many years. The position now is more difficult — only another Act of Parliament can alter the Animal Remedies Act, 1956. I think, however, that the Act will have to be amended in the future because some of the conditions are virtually impossible to observe. When such an amendment is tabled we shall return to the attack."

It was opportune to recall, said Mr. Power, that pharmacy had no voice in Dail Eireann when the Animal Remedies Bill was being discussed. That position had happily improved with the success of Messrs. Brady and Loughman in the general election, and the Society offered them congratulations while regretting that Alderman Cashman's arduous and expensive Senate election campaign had been unsuccessful. "I add my voice to those who have occupied this chair in previous years in urging young pharmacists to take an active interest in the life of the community."

### *Entrants to Pharmacy*

Persons entering pharmacy continued to be fewer than many thought necessary. In November 1956 and again in January the Council had studied statistics showing how many registered, how many qualified, how many had died, etc., over a period of twenty-one years. In November the subject would again come up for study because the Council had to anticipate changes brought about by alterations in the syllabuses over the past few years. Present entrants could be considered as sufficient to maintain the supply of pharmacists in the country, but allowance must be made for losses caused by deaths, marriages, emigration and changes of vocation. For that reason the Council would feel happier if the intake could be increased by about 25 per cent. If necessary, it would take measures to encourage that increase. The past year had seen the return to the College of students taking the full-time pharmacy course. Those students had taken their final examination in June under the new conditions. Professor Bullock and Dr. Rowson had been appointed to the board of examiners. Both were men of high qualifications and wide experience, and their comments had been extremely useful and valuable to the Education Committee. Whilst the new examiners had found some weaknesses, their overall impression was favourable and most encouraging. Twenty-eight candidates had sat for the examination and nineteen were successful, four being referred in one subject. That was possibly the highest percentage for years.

He would like to remind members that the last examination under the old regulations was being held in July 1958; that students wishing to obtain preliminary registration might now submit general science as a substitute for physics and chemistry; and that a summary of the regulations for students was being published in the Society's Calendar appearing in January 1958.

### *Value of Post-graduate Study*

The post-graduate study group had maintained its success of the previous season. Large attendances demonstrated the value of the interesting courses arranged by the committee under the chairmanship of Mr. Donal Boyd. New ground had been broken in September, when a group of pharmacists from the provinces had attended a special course for hospital pharmacists, a course conspicuously successful. The indication was that future courses would be well supported.

The year had also seen the establishment of the Hospital Pharmacists' Association. Local organisations had been effective in limited territory, but it was hoped that all engaged in hospital pharmacy would ultimately be merged into a national organisation without sacrifice of local advantages. Hospital pharmacists had many and complex problems, and an active organisation appeared essential to solve them.

### *Work of the Inspector*

The Society's inspector had been active, and all present had seen him at one time or another. Apart from his duties as inspector, Mr. O'Briain had performed a useful service as liaison officer in many territories. It was satisfactory that members had at their disposal a tactful man more than willing to act as negotiator at any time. Mr. O'Briain passed on to the Irish Drug Association all matters outside his province, but was often able to give up-to-date information sought by local groups. There had been prosecutions, but it was more important that the Society had pointed out to traders that they were not entitled to sell scheduled poisons. In a remarkable number of cases traders interviewed had undertaken not to stock those items, and had asked if it was not possible to prosecute the people who had sold them the goods. The Society was accumulating evidence that would be valuable when dealing with poisons legislation.

The Society was indebted to many friends of the College of Pharmacy for gifts during the year. The Wellcome Foundation, Ltd., had presented Dr. Timoney (dean of the

College) with a cheque for £100 to assist him in research carried on in the College; P. C. Cahill & Co., Ltd., had given an incubator; Burroughs Wellcome & Co. a cabinet; and Boileau & Boyd, Ltd., an oven.

Concluding, Mr. Power thanked his colleagues for their trust in placing him temporarily in the chair, and for their devotion to pharmaceutical affairs throughout the year. He thanked the registrar and College staff for the enthusiasm with which they carried out their work, and their Press recorder (Mr. H. G. Smith) for his ready co-operation.

MR. P. JOY, Clonmel, moving adoption of Mr. Power's report, endorsed all that Mr. Power had said about the late Mr. F. McGrath. MR. SEAMUS MURPHY, seconding, in a



NEWCOMERS TO THE COUNCIL: Messrs. Kevin Banks (co-opted), Thomas R. Miller and Morgan F. Broderick.

reference to the Animal Remedies Act, said it seemed that pharmacy was losing all its battles since the State was established thirty-five years ago. He could not recollect one thing they had received from a native government. It was a matter of great regret for country chemists that they had been deprived of something which they had enjoyed as a right for many generations. He wondered if that Act squared with the Constitution, since it trespassed upon a man's livelihood. It was a pity pharmacy was not better organised to deal with that kind of legislation, and high time membership of the Society became compulsory, so that more than 700 voted at an election. He was glad the educational standard was improving, but wondered what that availed when he could see more chemists' lines every day in the cut-price shops. The Council was to be congratulated on fighting under abnormal conditions, and deserved more support than it was getting from the rank and file.

MR. DAVID MURPHY said that, with the introduction of the Animal Remedies Act, they had the same old cry of "protecting the public against the chemist." Anybody except the chemist could sell anything, but that was largely the chemists' own fault. They had allowed pharmacy to get into the hands of vested interests. The time had come to fight for their rights. He thought the date for abolishing the old examination should be extended by another year. To many who had been in pharmacy for many years as assistants, an opportunity should be provided of qualifying through a modified examination.

### *Compulsory Membership Wanted*

MR. J. COFFEY urged the Council to set about making membership of the Society compulsory. Something should be done to ensure the introduction of a new Pharmacy Bill. A Government investigation had put the average weekly income of a chemist at only £12-£13 a week. A voluntary insurance board was being set up and pharmacists should have representation upon it. Unless the Society did something to get ahead, pharmacy would wind up as the Cinderella of all professions in the country. He praised the Council for its work during the year.

MR. R. J. SEMPLE, who also complimented the Council on what it had achieved, said that the Council was an over-

worked body. For that reason he suggested a third body outside the Council in which young, active chemists could be utilised, could achieve much. Instead of 1,000 members the Society should have 3,000. A member of the I.D.A. executive should not be a member of the Council. Thanking those who voted for Mr. Moore and himself in the election, Mr. Semple said that next year his group would come forward again.

MR. M. F. WALSH agreed with Mr. Semple that they should set up a body of young people with no axe to grind. As a member of the post-graduate course committee he felt the course should take in more pharmaceutical chemistry. He was against any lowering of their educational or examination standards, and did not agree with a suggested modified examination.

MR. J. CARROLL, Cork, said that members in the South thought that regional meetings would be a good thing. From quarterly meetings in the provinces motions might be brought forward for the annual meeting. A question brought up at country association meetings was that of counterhands: the suggestion was that a limited number should be allowed in, eventually to qualify as assistants. He understood that chemists in the West and the Midlands, as well as in Wexford, were interested in the idea.

MR. J. BURKE said he thought the public would have to be re-educated in its attitude towards pharmacy. He urged the appointment of a public relations officer who could deal with anything in the Press detrimental to pharmacy.

Mr. Power's report was then unanimously adopted.

### *Increased Subscriptions Hint*

MR. H. P. CORRIGAN (treasurer) stated in his report that salaries, at £2,179, showed an increase of £58; and journals, at £1,428, were up by £24. That figure included the Calendar of the Society, which cost 6s. per member or associate. As it was likely that the new postal charges in Britain would affect the price of THE CHEMIST AND DRUGGIST, the Society was investigating the possibility of issuing in 1958 a supplement to the 1957 Calendar instead of a new calendar. Law expenses, comprising sums of £902 and £288, were more than in 1955-56, but the number of prosecutions had been greater, many of them in districts remote from Dublin.

"Four years ago," said Mr. Corrigan, "I sought an increase in the annual subscription. The sum of £4 4s. was suggested but I settled for £3 3s. It appears to me that it will be necessary to look for £4 4s. in 1958. Members are getting more for their subscription than formerly, and the income of the Society is unable to meet rising costs. We are all too familiar with the reduced value of money—£4 4s. today is no better than £2 2s. ten years ago." Mr. Corrigan said that the cost of light and heat had increased by £86 to £415. That increase might be accounted for by the large number of revision classes provided for "old-time" students and by the lectures for the post-graduate students. Both were uneconomic to the Society in terms of cash, but immensely valuable in terms of improved personnel.

Bank charges (£88) showed an increase of £76. The building of the Society's new biology laboratory required an overdraft that had resulted in increased charges. General expenses had increased by £289 to £548, the major item being a premium towards the Society's superannuation fund.

Subscriptions (£3,415) showed an increase of £63—a healthy sign. Examination fees, at £1,545, showed a decrease of £58. In 1957-58 he anticipated a steep fall in income from that source. Schools showed a surplus of £702, against a surplus of £34 a year previously. He had calculated that that was not a true profit, and hoped to present the school accounts in a different form next year. Registration fees, at £1,413, were up by £331, an increase due to licence and preliminary registrations. Income from investments at £177 showed a decrease of £6. Total income was £7,276, against an expenditure and depreciation of £8,582, a deficiency of £1,306.

In his report on the Benevolent Fund, Mr. Corrigan

stated that expenditure on grants amounted to £894, income to £76 more than that. Thus the margin was small. When it was realised that dividends accounted for £298 of the income it would be appreciated why the treasurer appealed, year after year, for greater support for the Fund. Once more the Fund's mainstay was the dance committee, which seemed capable of making money despite adverse economic conditions. The Society was deeply indebted to that committee for its hard work, which had yielded £596 for the Fund. Mr. Corrigan also thanked the combined West of Ireland and Westmeath Chemists' Associations for a gift of £78; the Limerick Chemists' Social Committee for £75, and the Irish Chemists' Golfing Society for its regular £5 5s. "To all others who supported this worthy object we say 'thanks.' To those who may not have considered the good work done by the Benevolent Fund I say 'Please send a donation, no matter how small.'"

MR. M. MOORE, moving adoption of both reports, said that, to offset the deficit, the Society must set about getting more members. One item on which they could economise was the cost of having an official journal.

MR. G. W. IRWIN, seconding, said members were indebted to the treasurer for so well looking after the finances of the Society. He was to be complimented on the excellent way in which he had presented his report. It should be optional for a member to decide to have the official journal.

MR. SEMPLE suggested that, through the Society's inspector, they should canvass throughout the country for more licentiates to become members of the Society, issuing a circular setting out the reasons for becoming a member. He would like a better library for the use of the students and licentiates.

MR. M. F. WALSH agreed that a drive for more members should be made through Mr. O'Briain. Instead of increasing the subscription the Society should increase its membership.

MR. D. MURPHY thought the Society should make Shrewsbury Road more of a social centre, and MR. S. MURPHY that, with the £ sterling falling in value, the Society must be losing money on its investments: could not that money be utilised to finance an insurance scheme for chemists? MR. CORRIGAN pointed out that the statutory basis on which the Society existed prevented funds being used in that way.

MR. W. J. GILL said that pharmacy's ruin was its easy inlet. Pharmacists now dealt mainly in proprietary articles instead of practising their profession. Educational standards of pharmacy should be raised not lowered.

MR. J. COFFEY found it disturbing to be told that a drop in revenue was expected next year. With the financial position so serious the Society could not afford an official journal. He would not be prepared to pay a membership subscription of £4 4s.

MR. O'ROURKE thought the Society's financial difficulties would be solved under the proposed new Bill, under which membership could be made compulsory.

MR. R. C. O'HIGGINS appealed to the treasurer not to increase the membership subscription. That would exclude many who were members at present. There were licentiate managers of pharmacies who would agree to pay £3 3s. but could not afford to pay £4 4s.

### *Pharmacy Bill to Proceed*

MR. POWER said the Minister for Health had promised to go ahead with the new Pharmacy Bill, and the Society expected to be told of the introduction of the Bill in the near future. The Minister had intimated that he had accepted the Society's submissions. That was good news for pharmacy in general.

MR. D. MURPHY was not in favour of reducing the standards of pharmacy, but asked that people who spent their lives in pharmacy should get some special consideration.

MR. SEMPLE said he hoped that in the new Bill the question of reciprocal relations with Britain and other countries would be dealt with. Today the standard of Irish pharma-

cists was as high as, if not higher than, the standard in England. Both reports presented by the treasurer were unanimously adopted.

MR. POWER said that, but for the receipts from the annual dance, the Benevolent Fund could not pay so many grants during the year. He appealed to manufacturers, and all who could do so, to help to raise money for the Fund, which was doing a wonderful job of work.

MR. D. W. P. BOYD proposed a vote of thanks to Mr. Power. He said that a message should be sent from that meeting to Mr. Fred Storey, Belfast, wishing him a speedy recovery from his illness. That was agreed. Mr. Boyd said that the occasion was the first for many years on which Mr. Storey had not been present at the annual meeting. As chairman of the post-graduate course committee, he went

on, he would like to see some advance made in conducting research work in the College of Pharmacy so that it should not be necessary to send to the Universities to have simple tests carried out. Thanking Mr. Power for his comments on the post-graduate course, Mr. Boyd mentioned that, on Fridays in November, lectures on "Disorders of the Nervous System" were being given. In his reply to the vote of thanks, which was passed with acclamation, MR. POWER said the Society's draft headings for the new Bill had been submitted to the local pharmaceutical associations. Recommendations received both from the country and from Dublin had been considered by the Council members when preparing a final draft for the Department of Health. The Council was informed that the proposals had been accepted, and was now awaiting the first draft of the Bill.

## HOSPITAL PHARMACY FORUM ANALYTICAL CONTROL

A PAPER by Dare and Capper at the Professional Session of this year's British Pharmaceutical Conference has aroused widespread concern. The authors sought to show where and to what extent error may be found in measurements during normal dispensing practice. There is a natural tendency to suppose that stamped measures are "right" for dispensing purposes and, given the normal standard of skill and care in their use, that the resultant preparation should be correct within small limits. Some pharmacists seem to have been shocked to learn that errors in the measures themselves, plus personal errors in use, and assay limits of the materials, may add up to give a final error of plus or minus 15 per cent. Unlike some of their continental colleagues, British pharmacists depend implicitly on the analytical control of the supplier's laboratories and on their own (or their dispensing assistant's?) accuracy. It is rare to find analytical procedures carried out in the pharmacy.

It is worth consideration, however, whether the hospital pharmacist is right to ignore completely the question of analytical control. In many circumstances, especially in the larger hospitals, medicinal preparations of many kinds are made on a small-scale manufacturing basis. An error due to a faulty balance, to some human factor, or even to the manufacturers having supplied the wrong material, is not unknown. A mixture or a batch of tablets made in such circumstances could be widely used in the hospital before the error was detected. In a case known to the author of these notes, an error in transcribing a formula card went undetected for several months before analytical procedure brought it to light. Fortunately the only result was that the mixture (of aluminium hydroxide) was deficient in alumina to the extent of nearly 50 per cent! One can imagine much more serious results.

### The First Suspect

The provision of analytical facilities is often useful in other ways also. It is a foible of human nature no doubt, but a vexatious one at times, that clinicians first suspect the medicament whenever something goes wrong. Personal variation of the patient, change of surgeon's technique and many other matters may play a part, but the drug is suspected first. At any rate it is usually the easiest to check. Facilities for quickly performing the identification tests and the assays of the British Pharmacopœia may be of great service in clearing such a point when it arises. Clearly, if there is a possibility of some medico-legal action, the pharmacist is wise to send the material for analysis by an independent analyst outside the hospital; but how comforting to be able to go through the tests oneself and know that the analyst's certificate will clear the matter! Again, it seems reasonable that the hospital pharmacist should be able to give a quick answer when asked "Are these tablets of the barbiturate group?"

A laboratory capable of carrying out such analytical work should surely be available in every group as a normal component of the group pharmacy. Too often the pharmacist is over-burdened with extraneous matters that could well be shed to others to enable him to devote time to such important work. The writing out of orders and the checking of prices and invoices can well be done by a trained clerk. The filling and sealing of ampoules and the assembly of ward orders can well be done by an assistant-in-dispensing. But quality control is a job that should—and can only—be done by the pharmacist. It is worth noting, too, that most of the work needed can be performed using simple laboratory apparatus. Where elaborate physical apparatus is involved, such as a spectrophotometer, there is often the possibility of having such measurements performed in the biochemical laboratory, or, if that is not possible, then the work can be put out. Such occasions, however, are rare. The planning of pharmaceutical departments has often ignored this important part of our work, and too many pharmacists have acquiesced in the supposition that analytical control is unnecessary. Where the treatment of patients is involved it is not enough to believe that the job has been done properly. It is necessary to be able to demonstrate that it has.

### ECHOES OF THE PAST EASY TO BE A SURGEON

From "A Short History of Social Life in England" by M. B. Syng, F.R.Hist.S. (Hodder & Stoughton, 1906). Circa 1714-27.

THESE wounds [from duels] were very indifferently treated by the surgeons and physicians of the day, for medical knowledge was still at a low ebb in the early eighteenth century and quackery was yet rampant.

"I tell you," says a contemporary, "'tis an easie thing for a Man of Parts to be a Surgeon; do but buy a Lancet, Forceps, Saw; talk a little of Contusions, Fractures, Compress and Bandage; you'll presently by most people be thought an excellent Surgeon."

In such an age of blind superstition and ignorance, it was not uncommon for a sharp-witted cobbler or bricklayer to pick up a collection of old recipes, where he learnt that Venice soap would cure cancer, the juice of wild cucumber would help dropsy, or snails beaten up and laid to the feet would soothe the ague, to hang out a sign describing himself as a physician, and to practise his art with more or less success. The local newspapers of the time are full of quack advertisements whereby women as well as men often made large fortunes. It is hardly credible to think that a sum of £5,000 was voted by the Treasury to a woman for the secret of her three remedies for disease. They consisted of a powder, a decoction, and a pill. The powder was made of calcined egg-shells and snails; the decoction was made by boiling herbs, soap and swine's cresse burnt to blackness and honey in water; the pills, of calcined snails, wild carrot seeds, hips and haws, ashen keys, etc., burnt to blackness and mixed with soap and honey.

# Announcement!



SUPER TRIM

## **Big winter campaign for new RONSON with Super Trim**

Ronson supports *your* selling effort with a brilliant advertising campaign.

**IN THE PRESS:** Over 115,806,873 advertisements in the National and Provincial press and magazines.

**ON COMMERCIAL TV:** 51 thirty-second spots will be beamed at peak viewing times from London, Midland, Northern and Scottish stations.

**AND IN YOUR SHOP:** Striking new display material will bring people right up to your counter . . .

*This campaign runs right up to Christmas*

**Stock up now to cash in on  
Ronson's advertising support**

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**WE  
OFFER  
YOU  
AN EXTRA**

**16·666666666%**

**DISCOUNT ON EVERY DOZEN TYZANOL\***

Pfizer greet the opening of the 'coughs-and-colds' season with a special bonus offer to all pharmacists. Tyzanol is a uniquely effective nasal decongestant. It affords relief quickly, its effect is unusually prolonged, and its use is not marked by stinging, discomfort, or the unpleasant phenomenon of 'rebound congestion.' And now Tyzanol—for the period of this offer—carries an additional discount of 2d. in every shilling. In other words, an extra 16·6666 . . . and so on.

**THIS IS THE BONUS OFFER**

TWELVE WILL BE CHARGED AS TEN. The offer runs from October 7th to December 28th. During that time every complete dozen of Tyzanol you order from us will be charged as *ten only*. This offer applies both to the Plastic Spray Bottles and to the ordinary packs, provided they are each ordered in *complete dozens*.

**THIS IS HOW YOU ACCEPT IT**

ORDER FROM US—BUT PLEASE NAME YOUR WHOLESALER. Send your orders direct to our Sales Department at Folkestone, giving quantities and packs required and mentioning the name of your usual wholesaler. The Sales Department will arrange for the immediate despatch of your order and you will be invoiced *through your wholesaler*.

**THIS OFFER RUNS FOR A LIMITED PERIOD ONLY  
—PLEASE ORDER EARLY**



**PFIZER  
PHARMACEUTICALS**

*Manufactured at Sandwich and Processed at Folkestone, Kent.*

**Tyzanol\***

Tetrahydrozoline hydrochloride  
**the uniquely effective nasal decongestant**

**Pfizer**

## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, OCTOBER 23: CRUDE DRUGS required for seasonal ailments were in fair demand during the week, but prices remained steady apart from a few minor adjustments here and there. Cape ALOES, however, continued a weak market at origin, with offers down by at least 5s. a cwt.

The short supply position in CARDAMOMS was unrelieved and the No. 1 seed advanced by one shilling per lb. at origin. TONQUIN BEANS were not being offered by primary shippers, while spot supplies have not been available for weeks. TRAGACANTH eased £5 per cwt. for No. 1 and No. 2 grades. IPECACUANHA was cleared on the spot and only Colombia and Brazil were offering supplies for shipment. Arrivals of Tinnevelly SENNA PODS and LEAVES at Tuticorin from the interior are now diminishing although their quality is said to be maintained. Senna shipments from that port during September were as follows:

	U.K.	U.S.	EUROPE
SENNA	Tons	Tons	Tons
LEAVES	10	84	100
PODS	13	—	81

Consequent upon the lower cost of MERCURY announced in the last report, MERCURIALS were reduced by at least one manufacturer on October 21. Demand for ASPIRIN continued unabated. In INDUSTRIAL CHEMICALS increases ranging from 5s. to 21s. per ton in the home prices of NAPHTHALENE have been advised; export schedules have not been altered for spot but forward rates are inclined to be easier.

Among ESSENTIAL OILS, Ceylon CITRONELLA was firm at origin with shipment quotations fully threepence per lb. above the spot value. LEMON-GRASS was down threepence per lb. for shipment while lack of inquiry forced ANISE down to 11s. per lb. on the spot. CASSIA tends to be firmer.

### Pharmaceutical Chemicals

AMIDOPYRIN.—Minimum rate is 23s. 1d. per lb. with usual differentials for small lots.

AMMONIUM ACETATE.—1-cwt. lots of B.P.C., 1949, are quoted at 4s. 5d. per lb.

AMYLOBARBITONE.—B.P.C. is 77s. 6d. per kilo for minimum 25-kilo lots and SODIUM, B.P.C., 87s. 6d. per kilo.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 13s. 3d.

BENZAMINE.—In 16-oz. lots LACTATE is 15s. 3d. per oz. and HYDROCHLORIDE 16s. 3d. per oz.

BENZYL BENZOATE.—1-ton lots of B.P. grade are 4s. 6d. per lb.

BUTOBARBITONE.—B.P.C. is 92s. 6d. per kilo in minimum 25-kilo lots. SODIUM salt is 102s. 6d. per kilo.

CHINIFON.—B.P. 1948 is 67s. per kilo; 50-kilo lots, 62s. 6d. per kilo. The sodium derivative (B.P. 1953) is 99s. 4d. and 92s. 9d. for the same quantities.

CHLOROFORM.—1-cwt. lots in winchesters are 3s. 6d. per lb.; 56-lb., 3s. 6d'. In drums, prices are 3s. 4d. and 3s. 4½d. per lb. respectively.

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

COCAINE.—For 16-oz. lots the price of the HYDROCHLORIDE is 91s. 6d. per oz. and ALKALOID, 101s. Subject to D.D.A. regulations.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1-ton lots, 23ls. per cwt.; 10-cwt., 232s.; 5-9-cwt., 233s.; 2-4-cwt., 234s.; 1-cwt., 235s.

CYCLOBARBITONE.—B.P.C. in 25-kilo lots or over is 82s. 6d. per kilo.

GALLIC ACID.—B.P.C. is 9s. 7d. per lb. for 1-cwt. lots. Smaller lots up to 10s. per lb. for 14-lb. lots. Technical grade is 8s. 10d. per lb. in 1-cwt. lots.

HEXOBARBITONE.—In 25-kilo lots the price is 115s. per kilo. SODIUM SALT is 125s.

MERCURY DERIVATIVES.—Quotations (per kilo) for less than 50-kilo lots are as follows:—AMMONIATED, B.P. lump or powder, 58s. 9d.; PERCHLORIDE, B.P., powder, 50s. 9d. and lump, 51s. 9d.; SUBCHLORIDE (calomel), B.P., 58s., OXIDES, yellow, B.P., 61s. 6d.; red B.P.C., 1949, 62s. 6d.

METHADONE HYDROCHLORIDE.—Price is from 2s. to 2s. 6d. per gm. as to quantity. Subject to D.D.A. regulations.

METHOIN.—B.P. is about 120s. per lb.

METHYL PHENOBARBITONE.—B.P. is 90s. per kilo in 25-kilo lots.

OPIATES.—Home trade prices (per oz.) are as follows:

	35 oz. and over	Under* 35 oz.	
		s. d.	s. d.
CODEINE			
PHOSPHATE ..	38 3	39 3	
HYDROCHLORIDE ..	44 0	45 3	
SULPHATE ..	44 0	45 3	
ALKALOID ..	50 9	52 0	
MORPHINE			
ACETATE ..	46 6	47 6	
HYDROCHLORIDE ..	46 6	47 6	
SULPHATE ..	46 6	47 6	
TARTRATE ..	56 6	57 6	
ALKALOID ..	57 6	58 6	
ETHYLMORPHINE			
HYDROCHLORIDE ..	49 6	50 6	
ALKALOID ..	59 6	60 6	
DIAMORPHINE			
HYDROCHLORIDE ..	51 6	52 6	
ALKALOID ..	56 3	57 3	

\*Containers below 35 oz. Is. 6d. per container. Subject to D.D.A. Regulations.

PAPAVERINE.—Synthetic HYDROCHLORIDE is 250s. per kilo.

PENTOBARBITONE SODIUM.—Minimum 25-kilo lots are 125s. per kilo.

PETHIDINE HYDROCHLORIDE.—B.P. 100-gm. lots, 100s. Subject to D.D.A. regulations.

PYROGALLIC ACID.—Firm. Pure crystals are 22s. 6d. per lb. in 1-cwt. lots; resublimed, 24s. 3d.

SALICIN.—Quoted at 18s. 6d. per oz.

SULPHACETAMIDE.—Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM DERIVATIVE is 30s.

SULPHAGUANIDINE.—Manufacturers' rates for 1-cwt. lots are about 11s. per lb.

SULPHANILAMIDE.—Manufacturers' rates for 1-cwt. lots are 5s. 7d. per lb.

SULPHATHIAZOLE.—Price (per lb.) for 1-cwt. lots is 16s. 11d.

TANNIC ACID.—The B.P. levis, ex ether is quoted at 9s. 3d. per lb. for 5-cwt. lots and 9s. 6d. per lb. for 1-cwt. The B.P. powder is 9s. per lb. in 1-cwt. lots.

ZINC CHLORIDE.—B.P.C., cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 115s. per cwt.

ZINC OXIDE.—Rates for B.P. quality are: 2-ton lots £102 per ton; 1-ton, £103; 5-cwt., £110; and under 5-cwt., £112.

ZINC PEROXIDE.—Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted at 1s. 9d. per lb.; technical, 60s. per cwt.

### Industrial Chemicals

ACETALDEHYDE.—The 100 per cent. is £155 per ton.

ACETATES.—Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 255s. and B.S.S., 257s. BUTYL, 179s.; ETHYL, 151s.; ISOPROPYL, 147s.

ACETIC ANHYDRIDE.—10-ton lots are quoted at £134 per ton, delivered U.K. in returnable drums; 1-ton lots, £136.

ACETONE.—One-ton lots are quoted at £90 per ton.

BENZOLE.—Thiophene-free is from 9s. 3½d. per gall. for one 50-gall. barrel and pure, 6s. 3½d. per gall. for similar lots.

N-BUTYL ALCOHOL.—One to 5-ton lots are quoted at £159 per ton and one-drum lots at £163 per ton. Secondary is £130.

CARBON TETRACHLORIDE, B.P.—1-2-carboy lots are £135 per ton. TECHNICAL, in 40-gal. drums, in less than 1-ton lots, is £84; 1 ton and under 2 tons, £81; 2 tons and under 4 tons, £80 10s.; 4 tons and upwards, £79 10s.

ISOPRENALE SULPHATE.—B.P. is 1s. 3d. per gm. for 1,000-gm. lots and 1s. 9d. per gm. for 100-gm. lots.

ISOPROPYL ALCOHOL.—Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000 gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE.—One-ton lots in drums are quoted at £145 per ton.

METHYL ISOBUTYL CARBINOL.—One-ton lots (in one delivery) are now £165 per ton.

METHYL ISOBUTYL KETONE.—One-ton lots are £171 per ton with usual differentials for smaller quantities.

NAPHTHALENE.—Home market prices (per ton for 4-ton lots at one time) are as follows:—CRUDE, crystallising point 64-71.9° C., £22 5s. to £23; WHIZZED, c.p. 72-77.5° C., £27 3s. 6d. to £35 13s. 6d. according to the crystallising point, ex works; HOT-PRESSED, minimum c.p. 77.6° C., £42 10s. 6d. ex makers' works; CRYSTALS from £62 8s. 6d. to £64 18s. 6d., delivered; BALL AND FLAKE, £70 18s. 6d. to £73 8s. 6d. delivered. The approximate export prices (f.o.b.) for 25-ton lots are from £37 to £41 for the crude whizzed; £45 to £47 for hot-pressed, while crystals are £67 10s. and ball and flake both £76 per ton including bags.

PHTHALATES.—Prices (per ton) for drum lots are as follows:—DIBUTYL, £223; DISOBUTYL, £215; DIETHYL (normal grade), £229; DIMETHYL, £208.

STEARATES.—Spot prices for minimum 1-ton lots are now as follows:—ALUMINUM (all grades), 253s. per cwt. CALCIUM (precipitated), 243s.; LEAD (30 per cent.), 240s.; MAGNESIUM (standard), 271s. 6d. and (superfine), 301s. 6d.; ZINC, B.P., 285s. 6d.

TITANIUM DIOXIDE.—In 5-ton spot lots anatase is from £165 to £167 5s. per ton. Rutile is £183 5s. for surface-coated and £175 for non-surface-coated.

## Crude Drugs

**ACONITE.** — Spot supplies of Spanish *napellus* are 3s. 3d. per lb., duty paid.

**AGAR.** — *Kobé* is 12s. 3d. per lb., duty paid. New-crop for January–February 1958 shipment, 10s. 3d., c.i.f.

**ALOES.** — Cape prime for shipment is about 210s. per cwt., c.i.f. and spot, nominally 250s.

**ANISE (STAR).** — Chinese is 130s. per cwt. c.i.f., and 150s. spot.

**ANTIMONY.** — English 99.6 per cent. is £222 10s.; 99 per cent., £210 per ton.

**BELLADONNA.** — Herb is 2s. 6d. per lb. on the spot (1s. 6d., c.i.f.). Root, 1s. 10d. spot; shipment, 1s. 3d., c.i.f.

**CARDAMOMS.** — Aleppy greens have been cleared on the spot; shipment 16s., per lb., c.i.f. No. 1 seed also cleared; shipment, 22s., c.i.f.

**CASCARA SAGRADA.** — Spot 1956 processed peel is 320s. per cwt., duty paid, and 1957 peel, 287s. 6d. September shipment is 252s. 6d., c.i.f., quoted, with whole at 255s., c.i.f.

**CASSIA BARK.** — Whole: Selected is 152s. 6d. per cwt. in bond and No. 1 broken, 140s., in bond. Shipment dearer than spot.

**CHAMOMILE FLOWERS.** — Belgian new-crop, 17s. 6d. per lb.

**CHERRY BARK.** — Thin natural is from 1s. 9d. per lb., duty paid, and rossed 2s., on the spot.

**CHILLIES.** — Mombasa on the spot are 245s. per cwt.; shipment, 180s., c.i.f.

**CINCHONA.** — Parcels of druggists' bark *Succirubra* hybrid are from 1s. to 1s. 6d. per lb. on the spot, according to test.

**CINNAMON.** — Ceylon for shipment (c.i.f.) per lb., OOOO, 7s. 11½d.; OOO, 7s. 7d.; OO, 7s. 5d.; seconds, 6s. 8d.; featherings, 2s. 4½d.; quillings, 4s. 10½d.; chips, 11d.

**CLOVES.** — Zanzibar on the spot are quoted at 3s. 4½d. per lb. Shipment, 3s. 2½d., c.i.f.

**ERGOT.** — Portuguese is 5s. 6d. per lb. c.i.f., for prompt shipment and 6s. spot. American, 5s. 9d., spot.

**GUM ACACIA.** — Kordofan cleaned sorts are 135s. per cwt. on the spot; afloat 128s., c.i.f.

**HONEY.** — Australian light-amber is 112s. 6d. to 117s. 6d. and medium amber 105s. to 110s. Argentine 127s. 6d. to 132s. 6d.; Jamaican, 140s. to 150s., all per cwt., on the spot.

**HYOSCYAMUS.** — Dutch leaves (*niger*), are 1s. 6½d. per lb., c.i.f., prompt shipment.

**IPECACUANHA.** — Spot cleared. Shipment per lb. (c.i.f.): Colombian, 65s.; Matto Grosso, 57s. to 59s. as to delivery; Nicaraguan and Costa Rican not offering.

**KARAYA.** — No. 1 gum on the spot is now quoted at 245s. per cwt. and No. 2 at 170s.

**KOLA NUTS.** — Jamaican are offered at about 8d. per lb. spot; and 6½d., c.i.f. African, 6½d. spot and 4½d., c.i.f.

**LANOLIN.** — ANHYDROUS, B.P. is from 170s. to 191s. per cwt. and HYDROUS, B.P., 145s. to 166s.

**LIQUORICE.** — Natural root: Russian available at 52s. 6d. Block juice: Anatolian, 200s. per cwt. and Chinese, 192s. 6d., spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 10½d. per lb.

**LOBELIA HERB.** — Spot offers are from 5s. 3d. to 5s. 6d. per lb. Dutch for shipment, 4s. 3d., c.i.f.

**MERCURY.** — Price per flask (76-lb.) is £75 on the spot.

**NUTMEGS.** — West Indian 80's not quoted; sound unassorted for shipment, 15s. 9d. per lb.; defectives, 10s. f.o.b.

**ORANGE PEEL.** — West Indian bitter quarters are 1s. per lb.; Spanish, 1s. 3d.; thin-cut Tripoli, 2s. 4d.

**PEPPER.** — White Sarawak has been sold on the spot at 2s. 2d. per lb. with October shipment offering at 2s. 2d., c.i.f. Black Sarawak, 1s. 6½d. on spot and November shipment at 1s. 5½d., c.i.f. Black Malabar on spot is 210s. per cwt. and 195s., c.i.f., November–December shipment.

**PEPPERMINT LEAVES.** — Dutch new-crop for shipment, 2s. 9d. per lb., c.i.f.

**PIMENTO.** — Spot is 510s. per cwt.

**PODOPHYLLUM.** — *Emodi* is 140s. per cwt., c.i.f. and 150s., spot. *Peltatum* 3s. 10½d. per lb., spot, and 400s. per cwt., c.i.f., for shipment.

**QUILLAIA.** — Spot offers of whole bark at 195s. per cwt., and cut, 230s. Shipment offers at 150s., c.i.f.

**SANDALWOOD CHIPS.** — Shipment offers are from 170s. to 285s. per cwt., c.i.f.

**SARSAPARILLA.** — Jamaican native red on the spot is 2s. 6d. per lb. and for shipment, 2s., c.i.f.

**SEEDS.** — (Per cwt.). **ANISE.** — Cyprian, 165s., spot. **CARAWAY.** — Dutch unchanged at 97s. 6d., duty paid. **CELERI.** — Indian continues firm at 190s. on spot, nominal. The shipment price has slightly eased to 162s. 6d., c.i.f. **CORIANDER.** — Spot: Moroccan, 90s.; Rumanian, 75s.; Polish, 60s. (splits, 52s. 6d.) all duty paid. Moroccan for shipment, 53s., c.i.f. **CUMIN.** — Market advancing. Spot: Cyprian is now quoted at 190s. Supplies are reported to be small. Cyprian for shipment has been sold at 177s. 6d., c.i.f. **DILL.** — Indian offering at 65s., spot. **FENNEL.** — Dearer. Indian on spot is now quoted at 200s., nominal. The shipment price is now 200s., c.i.f. **FENUGREEK.** — Moroccan, 65s., duty paid. **MUSTARD.** — English 65s. to 75s., according to quality.

**SENEGA.** — Spot is 18s. 3d. per lb. with shippers asking 17s. 6d., c.i.f.

**SENNA.** — *Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., prime No. 2, 1s. 3d., f.a.q., No. 3, 10d. PODS manufacturing, 1s. 4½d. nominal; others, 1s. 8d. to 2s. 6d. *Alexandria* pods: Manufacturing, 1s. 6d. with hand-picked from 3s. 6d. to 8s.

**SELLAC.** — F.O.T.N. 215s. per cwt., F.O. No. 1, 235s.; fine orange, 250s. to 310s.

**SLIPPERY ELM.** — Grinding quality bark is 2s. 7½d. per lb.

**SQUILL.** — New-crop white is offered on the spot at 60s. per cwt.

**STRAMONIUM.** — Indian LEAVES are 70s. per cwt., and European 80s. on the spot.

**STROPHANTHUS.** — *Kombé* on the spot is 8s. 6d. per lb. for the 100 per cent.; *Gratus* is obtainable spot or forward.

**STYRAX.** — Quotations are 9s. 6d. per lb., landed, duty paid.

**TONQUIN BEANS.** — Para on the spot are cleared; no shipment offers.

**TRAGACANTH.** — No. 1 ribbon is £150 to £155 per cwt., No. 2, £135 to £137 10s.

**TURMERIC.** — Madras finger on the spot is 52s. 6d. per cwt. for small lots.

**VALERIAN ROOT.** — Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 168s., g/n, c.i.f.

**VANILLIN.** — Rates (per lb.) are now: 5-cwt. lots, 25s. 3d.; 1-cwt., 25s. 6d.; 56-lb., 25s. 9d.; smaller quantities, 26s.

**WAXES.** — (Per cwt.). **BEES'.** — Dar-es-Salaam, spot, 520s., shipment, 505s., c.i.f.; Sudanese, 450s., spot, in bond and 445s., c.i.f. Abyssinian, spot, 470s. in bond; shipment, 470s., c.i.f. Benguela spot, 530s., duty paid; shipment, 495s. c.i.f. **CANDELILLA.** — Forward, 465s. landed. **CARNAUBA.** — Fatty grey, spot, 560s.; for shipment, 545s., c.i.f. Prime yellow, spot, 1,120s.; shipment, 1,075s., c.i.f.

**WITCH HAZEL LEAVES.** — Spot supplies are 1s. 11d. per lb.

## Essential and Expressed Oils

**ALMOND.** — British oil is 9s. per lb. Moroccan, 7s. 6d., in bond.

**AMBER.** — Rectified on the spot is 1s. 6d. per lb.

**ANISE.** — Chinese, 11s. per lb., spot; shipment, 10s. 10½d., c.i.f.

**BAY.** — West Indian is 12s. 6d. per lb. on the spot.

**BERGAMOT.** — Spot supplies are from 85s. per lb.

**BIRCH TAR.** — Rectified is about 14s. per lb. in 1-cwt. lots.

**CADE.** — Spanish is 2s. 6d. per lb. for drum lots.

**CANANGA.** — Spot is 52s. 6d. per lb.

**CARAWAY.** — English-distilled is offered at 55s. and imported from 28s. per lb.

**CARDAMOM.** — Price per lb. is from 350s. for English-distilled and from 267s. 6d. to 297s. 6d. for imported.

**CASSIA.** — Spot is nominally 14s. per lb.; shipment, 13s. 3d., c.i.f.

**CASTOR.** — Minimum charge for home-produced B.P. oil on the spot is £187 per ton naked ex mill.

**CEDARWOOD.** — 1-cwt. lots of American are 5s. 6d. per lb., and Kenya, 4s.

**CHENOPODIUM.** — Spot value is 35s. per lb. for original containers.

**CITRONELLA.** — Ceylon, spot, 4s. 61.; shipment, 4s. 9d., c.i.f. Formosan, October–November, 6s. 2d., c.i.f. Spot, 6s. 4½d., in bond.

**CLOVE.** — Madagascar leaf is 7s. per lb. duty paid and 5s. 10½d., c.i.f., for shipment. Rectified 87–88 per cent., 9s. 3d. Distilled bud oil, English, B.P., from 28s. 9d. to 35s. as to quantity.

**COD-LIVER.** — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

**CORIANDER.** — B.P. oil is quoted from 77s. 6d. per lb.

**CUMIN.** — Quotations for English-distilled oil are about 95s. per lb. and imported, 57s. 6d.

**DILL.** — B.P. imported is 36s. per lb.

**GERANIUM.** — Bourbon is 115s. per lb. on the spot and Algerian, 97s. 6d.

**JUNIPER.** — B.P.C. 1949 oil is from 12s. 6d. per lb. and Jugo-Slavian, 14s. on the spot. English-distilled is 155s. JUNIPER WOOD, from 5s.

**LAVANDIN.** — Spot is from 11s. to 14s. 9d. per lb. for original drums.

**LEMONGRASS.** — Spot is 7s. 10d. per lb., and shipment, 7s. 7d., c.i.f.

**NUTMEG.** — Imported B.P. oil is about 102s. 6d. per lb. English-distilled, 180s., nominal.

**OLIVE.** — French is 25s. 9d. per gall. on the spot, ex-wharf, for B.P. quality.

**PATCHOULI.** — Penang is 31s., in bond, and 29s., c.i.f.

**PINE.** — *Pumilonis* on the spot is from 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d. to 14s.

**SANDALWOOD.** — Mysore is 85s. per lb. and East Indian, 80s.

**THYME.** — Spot is 10s. per lb.

## UNITED STATES REPORT

**NEW YORK, OCTOBER 22:** Demand for IODIDES has slackened substantially with prices reported on the soft side. Panamanian IPECACUANHA was quoted 50 cents higher at \$8.50 per lb. CASCARA SAGRADA at 30 cents was down three cents. Lower per lb. among ESSENTIAL OILS were East Indian SANDALWOOD at \$12.50 (down 50 cents); sweet ALMOND at \$1.35 (down ten cents) and BAY, 50–52 per cent. at \$2.20 (down five cents).

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," October 9  
For non-medicated toilet preparations and cosmetics (3)

PLACENTUBEX, 766,378, by Merz & Co., Frankfurt, Germany.

For preparations for the hair (3)

FORMTEX, 767,703, by Wella-Rapid, Ltd., London, N.W.1.

For all goods (5)

ISODINE, B752,833, by International Latex Corporation, Dover, Delaware, U.S.A. PER-LONGIT, 767,668, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany. BAGROSIN, PERIVAR, 767,678-79, by Curta & Co., G.m.b.H., Frankfort, Germany. GENACORT, 767,941, by Genatosan, Ltd., Loughborough, Leics.

For pharmaceutical and veterinary substances for external use (5)

PANTIL, 756,080, by Roche Products, Ltd., Welwyn Garden City, Herts.

For pharmaceutical preparations for human use (5)

ANGIER'S, 762,321, by Bristol-Myers Co., Ltd., London, S.E.1.

For sanitary towels (5)

SPRINGPINK, B764,916, by Lilia-White (Sales), Ltd., London, E.C.1.

For pharmaceutical preparations containing vitamins and chocolate (5)

VITACHOX, 765,040, by Crookes Laboratories, Ltd., London, N.W.10.

For insecticides and acaricides (5)

CITRAMAC, 765,275, by Plant Protection, Ltd., Yalding, Kent.

For pharmaceutical and veterinary preparations and substances, all containing xanthine or xanthine derivatives (5)

COMBIXANTHIN, 765,457, by Siegfried, A.G., Zofingen, Switzerland.

For disinfectants and antiseptics (5)

ROSANDRA, ROSANDOL, 766,893-94, by Hankeys, Ltd., Nelson, Lancs.

For pharmaceutical preparations and substances (5)

ROBAXIN, 766,196, by A. H. Robins Co., Inc., Richmond, Virginia, U.S.A. TRASYOL, 766,795, by Farbenfabriken Bayer, A.G., Leverkusen, Germany. SOLZETS, 767,870, by Boots Pure Drug Co., Ltd., Nottingham. CAR-MERIN, 767,664, by H. R. Napp, Ltd., London, W.C.2.

For antibiotics (5)

INTRAMYCIN, INTRAMYCETIN, 766,758-59, by Parke, Davis & Co., Detroit, Michigan, U.S.A., and Hounslow, Middlesex.

For pharmaceutical and veterinary preparations (5)

LINODOXINE, 767,444, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For insecticides, fungicides, bactericides and weed-killing preparations (5)

TENATOX, 767,517, by Associated Fumigators, Ltd., London, E.16.

For throat lozenges, being medicated confectionery (5)

QUATORAL, 767,658, by Thos. Guest & Co., Ltd., Manchester, 4.

For physical apparatus and chemical apparatus, all for scientific purposes; optical apparatus; electro-technical apparatus, etc. (9)

PRAKTA, 754,507, by Veb, Kamera Werke Niedersedlitz, Dresden, Germany.

For photographic and cinematographic apparatus and parts and fittings; photographic negatives; and scientific apparatus and instruments (9)

FELICA, 763,667, by North Staffs Photographic Services, Newcastle, Staffs.

For hearing aids for the deaf and parts (10)

ORETTE, 767,531, by Multitone Electric Co., Ltd., London, N.1.

For soaps, perfumes, non-medicated toilet preparations for the hair, cosmetic preparations, dentifrices and cleaning preparations (3)

HOSTESS, 762,477, by Berkeley Perfumery Co., Ltd., London, E.5.

## WORLD TRADE

**Greek Pharmaceutical Exports.**—To facilitate the export of Greek pharmaceutical products to Middle East countries, the Greek Ministry of Commerce has authorised the Bank of Greece to permit exports of those products without exchange formalities against currency of up to 20 per cent. of their value.

**Scandinavian Customs Union.**—Proposals for a Scandinavian customs union embodying 80 per cent. of all trade between Norway, Sweden, Finland and Denmark, are contained in a report published on October 21. The report will be submitted to the next meeting of the Nordic Council in Oslo in February 1958 and if adopted, the customs union scheme could, it is thought, be put into effect as early as 1959. Among the goods proposed for inclusion in the union are chemicals and pharmaceuticals. For imports outside the area the report proposes a common scale of tariffs. The report asserts that the four lands will have to co-operate more closely with one another in questions of general trade policy if the Scandinavian customs union becomes a reality.

**European Chemicals Industry.**—The rate of increase in production in the European chemical industry for the full year 1957 will probably be slightly

higher than in 1956, states a report drawn up by the O.E.E.C. chemical products committee. The report covers 1956 and the first half of 1957. It says that the sectors which show the greatest expansion are petrochemicals, plastics, synthetic detergents and nitrogenous fertilisers. It adds that the rate of increase in chemical production quickened considerably at the beginning of 1957, partly as a result of increased exports to non-member countries. The report indicates that European chemical production in 1956 was 8 per cent. greater than in 1955 whereas the rise in total industrial production was 4 per cent. For the first half of 1957, compared with the first half of 1956, the corresponding figures were 13 per cent. and 6 per cent. respectively. Investment in the chemicals industry in 1956 was about 7 per cent. greater than in 1955. Other points dealt with by the committee include the steps under consideration by the Organisation for remedying the shortage of skilled workers, and possibly for improving methods of training such workers. The committee also considered action to be taken following two missions, one of which studied the question of water and air pollution and the other the question of distribution in the soap, detergent, paint and varnish industries in the United States.

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Monday, October 28

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, and NORTH STAFFORDSHIRE DIVISION, BRITISH MEDICAL ASSOCIATION, North Stafford hotel, Stoke-on-Trent, at 8 p.m. Dr. P. W. Muggleton (Glaxo Laboratories, Ltd.) on "Vaccines Against Poliomyelitis and Tuberculosis."

PHARMACEUTICAL GROUP, FRIENDS OF THE HEBREW UNIVERSITY, Cora hotel, Upper Woburn Place, London, W.C.1, at 8 p.m. Talk by Sir Hugh Linstead (a secretary, Pharmaceutical Society of Great Britain).

READING AND BERKSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Palmer Hall, West Street, Reading, at 8 p.m. Talk by Mr. G. T. M. David (a member of the N.P.U. Executive).

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Victoria Hospital, at 8 p.m. Dr. J. R. Mallard (department of physics, Hammersmith Hospital) on "The Uses of Radioactive Isotopes in Medicine."

### Tuesday, October 29

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Kitchen café, Birkenhead, at 8 p.m. Talk on "Cases from the Notebook of a Private Detective."

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, Medway College of Technology, Maidstone Road, Chatham, at 7.30 p.m. Professor M. J. S. Dewar on "Colour in Organic Chemistry."

SOCIETY OF COSMETIC CHEMISTS, Royal Society of Arts, John Adam Street, London, W.C.2, at 7.30 p.m. Dr. A. J. P. Martin on "Gas-Liquid Chromatography."

### Wednesday, October 30

FEDERATION OF SOUTH-EASTERN PHARMACISTS, Cumberland hotel, Eastbourne, at 7 p.m. Annual dinner.

GLASGOW AND WEST OF SCOTLAND BRANCH, PHARMACEUTICAL SOCIETY, masonic halls, Cadzow Street, Hamilton. Mr. J. D. Mair (chairman, Pharmaceutical General Council (Scotland)) on "N.H.S. Affairs Up-to-date"; Mr. R. M. McCrone (a member of the Society's Scottish

### Thursday, October 31

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Blue Bird café, at 7.30 p.m. Mr. G. H. Wright on "An Eye for Colour."

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Pendragon hotel, Southsea, at 7.30 p.m. Mr. C. C. Stevens on "Leading Cases in Forensic Pharmacy."

### Friday, November 1

London Section, ROYAL INSTITUTE OF CHEMISTRY, St. Ermin's hotel, Caxton Street, London, S.W.1. Annual dinner and dance.

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Y.W.C.A. lounge, 18 Slater Street, Liverpool, at 7.45 p.m. Dr. J. W. Dundee (lecturer in anaesthesia, Liverpool University) on "Modern Trends in Anaesthesia."

## PRINT AND PUBLICITY

### COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies. Where known, the number of appearances of the product during the week is shown in parentheses.

November 3-9

LONDON

Air-wick (3). Alka-Seltzer, Anadin (2). Aspro (6). Beecham's pills (4). Beecham's powders (4). Christy's liquid lanoline. Coty 24 lipstick. Crookes halibut-oil capsules (2). Cussons Imperial Leather (2). Delrosa rose hip syrup (2). Dentilene (3). Digestif Rennies (3). Euthymol tooth-paste. Ex-lax (2). Famel Syrup (2). Gayelord Hauser extra potency yeast. Germolene (4). Gibbs' S.R. tooth-paste (7). Horlicks (3). Iron Jelloids (3). Kleenex tissues (5). Knight's Castile (3). Lantigen B oral vaccine. London Suregrip gloves. Loxene medicated shampoo. Macleans indigestion remedies (3). Milk of Magnesia products. Moorland indigestion tablets. Opas tablets. Optrex. Fal blades (2). Pacquins hand cream (3). Phillips electric blankets (2). Phosferine (3). Phyllosan (4). Pin-Up home perm (2). Pifco vibratory massager. Pond's products. Potter's catarrh pastilles. Punch and Judy children's tooth-paste. Scotties tissues (2). Silvikrin hair cream (4). Sunsilk shampoos (4). Tru-gel. Vaseline liquid shampoo (3). Veno's cough mixture (4). Vinolia baby products (2). Vitafort (3). Vita-Glucose. Vykmix (2).

### MIDLAND

Air-wick. Alka-Seltzer. Amami wavaset (3). Anadin (2). Angier's Supavite capsules (4). Aspro (6). Beecham's pills (3). Beecham's powders (4). Coty 24 lipstick. Crookes halibut liver oil capsules (2). Crookes hand cream (3). Cussons Imperial Leather (2). Cutex hand cream. Cutex lipstick (17). Delrosa rose hip syrup (2). Digestif Rennies (2). Euthymol tooth-paste. Famel syrup (2). Fynnon salt (2). Germolene (3). Gayelord Hauser extra potency yeast. Gibbs' S.R. tooth-paste (12). Horlicks (3). Knight's Castile (3). Kleenex tissues (3). Lantigen B oral vaccine. Loxene. Lloyd's Adrenaline cream (3). Macleans indigestion remedies (3). Milk of Magnesia products (2). Moorland indigestion tablets. Opas tablets. Optrex eye lotion (3). Pacquins hand cream (5). Pal blades (3). Penetrol inhalant. Persomnia tablets. Phosferine. Phyllosan (3). Pifco vibratory massager. Pin-Up home permanent (2). Poly Roll absorbent paper (2). Potter's catarrh pastilles. Punch and Judy children's tooth-paste. Scotties tissues (3). Silvikrin hair cream (3). Skin-Glo. Shavex (2). Sunsilk shampoos (5). Tru-gel. Valderma antiseptic balm. Veno's cough mixture (3). Vinolia baby products (2). Vita-glucose. Vykmix (2).

### NORTH

Air-wick. Alka-Seltzer, Anadin (3). Aspro (7). Beecham's pills (5). Beechams' powders (4). Cephos (4). Coty 24 lipstick. Countess hair conditioning cream. Crookes halibut liver oil capsules. Crookes hand cream (2). Cussons Imperial Leather (2). Delrosa rose hip syrup (2). Digestif Rennies (2). Euthymol tooth-paste. Famel syrup (2). Fynnon salt. Germolene (3). Gibbs' S.R. tooth-paste (10). Horlicks (3). Iron Jelloids (3). Kleenex tissues (5). Knight's Castile (3).

Lantigen B oral vaccine. Loxene medicated shampoo.

Macleans indigestion remedies (3). Macleans toothpaste (2). Macprin (2). Milk of Magnesia products (2). Moorland indigestion tablets.

Opas tablets. Optrex eye lotion. Penetrol inhalant. Phosferine. Phyllosan (3). Pifco vibratory massager. Pin-Up home permanent (2). Potter's catarrh pastilles.

Satinex safety bleach (2). Settlers (3). Silvikrin hair cream (3). Shavex (2). Snowfire wavaset. Sunsilk shampoos (3).

Thermogene (2). Tru-gel (2).

Valderma antiseptic balm (5). Vapex. Veno's cough mixture (5). Vinolia baby products (2). Vita-glucose. Vykmix (2). Yeast-Vite (2). Vero.

### SCOTLAND

Air-wick (3). Alka-Seltzer. Anadin (2). Aspro (7). Beecham's powders (4). Coty 24 lipstick. Cussons Imperial Leather (2). Delrosa rose hip syrup (2). Eno's fruit salt (3). Euthymol tooth-paste. Famel syrup (2). Fynnon salt. Gibbs' S.R. tooth-paste (3). Horlicks (3). Kleenex tissues (5). Knight's Castile soap (3). Lantigen B oral vaccine. Linc-o-lin beer shampoo. Loxene medicated shampoo. Macleans indigestion remedies (2). Milk of Magnesia products (2). Moorland indigestion tablets. Nervone (3). Opas tablets. Pacquin hand cream (3). Pantene. Penetrol inhalant. Peppermint tooth-paste (3). Persomnia tablets. Phillips electric blankets. Pin-Up home perm (2). Pifco vibratory massager. Potter's catarrh pastilles. Silvikrin shampoo (4). Sunsilk shampoos (2). Veno's cough mixture (4). Vita-glucose. Vinolia baby products (2). Vykmix (2).

Other products which are currently being advertised (but for which no station has been notified) include: Sebbix shampoo. New Araby soap. Scan eye lotion. Scram. 1001 Cleaner. Victory-V lozenges. Citroze. Bristol's new lanolin shampoo. Val-Pak cream beauty mask.

### PRESS ADVERTISING

BIOMETICA, LTD., Boreham Wood, Herts: Pinaud creamy mascara. In *Vogue*, *Modern Woman*, *Woman and Beauty*, *Everybody's Picturegoer*.

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1: Placentubex. In *Vogue*, *The Queen*, *Sketch*, *Tatler*, *Vanity Fair*, *Harper's Bazaar*, *Woman and Beauty*, *Woman's Journal* and *Sunday Times*.

PIFCO, LTD., Watling Street, Manchester, 4: Pifco Prince electric shaver, electric blankets, hair-driers, home hair-clippers and vibratory massager. In *Sunday Express*, *The People*, *News of the World*, *Sunday Pictorial*, *Sunday Times*, *Evening News*, *Radio Times*, *T.V. Times*, *John Bull*, *Illustrated*, *Everybody's Weekly*, *Reader's* and *Sunday Times*.

## C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail

† = Tax 60 per cent.; ‡ = Tax 90 per cent.

**CROOKES LABORATORIES, LTD.** (from October 17)

	Each	I.R.P.
Halimalt	8 oz. 2 3	3 0 A
	1 lb. 3 9	5 0 A

### P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association).

### ADDITIONS TO THE LIST

**GENATOSAN, LTD.**

	2 Doz.	1 4
Instoms tablets*	12 19 6	1 4
	Eight	
	36 18 4	3 9

**NEW PRODUCTS AND PACKS**  
**ASSOCIATED PRODUCTS, LTD.** (distributors,  
FASSETT & JOHNSON, LTD.)

	Doz.
Tattoo lipstick† (new formula)	large 15 0
	small 3 0

Digest, Men Only, *Lilliput*, *Wide World Magazine*.

W. T. OWBRIDGE, LTD., Osborne Street, Hull: Owbridge's. In national newspapers, magazines, leading provincial and local evening papers.

### PUBLICATIONS Booklets and Leaflets

THE MURPHY CHEMICAL CO., LTD., Wheathampstead, St. Albans, Herts: "Chemical Soil Sterilisation," Pp. 12. "The Control of Pests and Diseases of Tomatoes, Cucumbers and Chrysanthemums." Pp. 16.

### Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists. ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "Soframycin for Local Use." Pp. 8.

### Periodicals

BRITISH PRODUCTIVITY COUNCIL, 21 Tothill Street, London, S.W.1: *B.P.C. Bulletin*, September, Pp. 6.

CHILEAN IODINE EDUCATIONAL BUREAU, Rope-maker Street, London, E.C.2: *Current Iodine Literature*, Vol. 4, No. 14. Pp. 14.

DECHEMA, chemical apparatus manufacturers, Frankfurt, Germany: *Dechema Yearbook 1956-58*. The yearbook is a reference work of lasting value which gives information on sixty-five European technical colleges which are engaged in chemical engineering. It lists sources of supply of 7,500 types of equipment for chemical science and technology. Published in English, French, German and Spanish, it is available free to registered visitors of the Dechema Congress, 1958. Pp. 1,070.

THE PULLIN OPTICAL CO., LTD., 97 New Cavendish Street, London, W.1: *Pullin Newsletter*, October, Pp. 4.

### Price Lists

AYRTON, SAUNDERS & CO., LTD., 34 Hanover Street, Liverpool, 1: Christmas List, 1957.

MOORE MEDICINAL PRODUCTS, LTD., 1 Queen's Terrace, Aberdeen: Pharmaceutical specialties, October.

POLAK & SCHWARZ, 50 Great Cambridge Road, Enfield, Middlesex: Aromatic chemicals list.

THE ARMOUR LABORATORIES, Hampden Park, Eastbourne, Sussex: Pharmaceutical list.

WARD, BLENKINSOP & CO., LTD., 37 Queen Square, London, W.C.1: Medical products, October.

### Veterinary Propaganda

PFIZER, LTD., 139 Sandgate Road, Folkestone, Kent: "Deltacortril Intramuscular in Veterinary Practice" (4-p. folder).

### DISPLAY MATERIAL

SILMOR DISTRIBUTING CO., 16 Cosway Street, Marylebone, London, N.W.1: Andre Philippe eau de toilette series tie-up with film "Les Girls." Showcard, 14½ ins. x 9½ ins.

### PRICE; \$ = TAX 15 PER CENT.; \* = TAX 30 PER CENT.; † = TAX 90 PER CENT.

### FRENCH OF LONDON

Spray Set lacquer† refill 5 0

GENATOSAN, LTD. Seb hand cream† sachet 4 6 bottle 20 9 3 10

GLAXO LABORATORIES, LTD. Each

Predasin tablets	dispensing pack 50	9 0
	dispensing pack 500	72 0

NYLON GUARD, LTD. NylonGuard 2 0

G. D. SEARLE & CO., LTD. Nilevar tablets 10 mgm. 25 86 6

injection 25 mgm. ampoules 1 c.c. 6 96 6

SMITH KLINE & FRENCH LABORATORIES, LTD. Eskacillin V 2 fl. oz. 96 0

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- Chronic wasting diseases
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- Recovery after surgery
- Preparation for planned surgery
- Recovery phase of severe burns and traumata
- For weight increase after premature birth

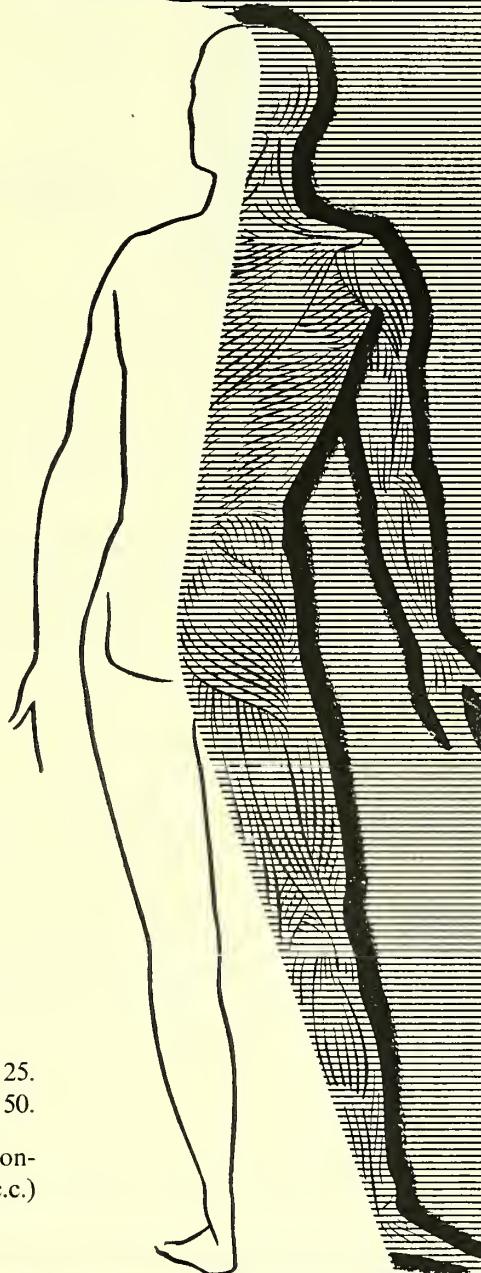
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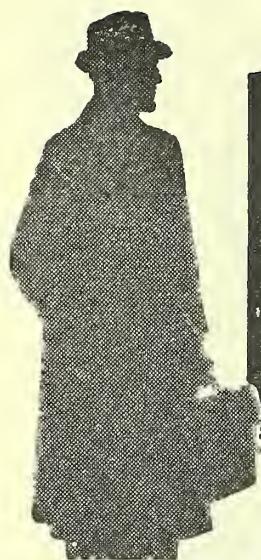


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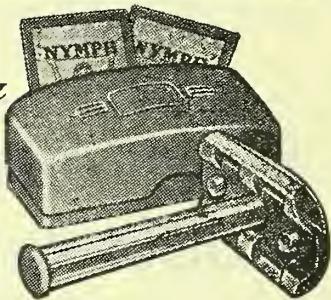
## Belfast Telegraph

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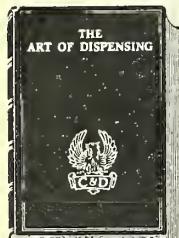
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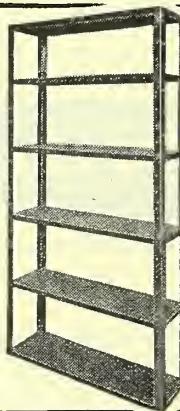
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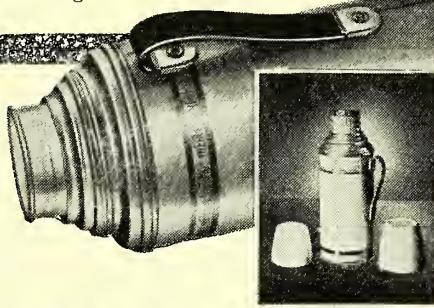
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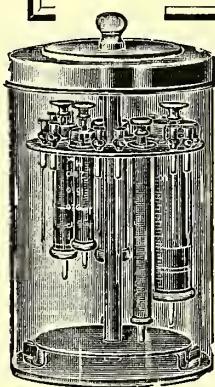
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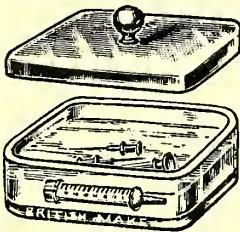
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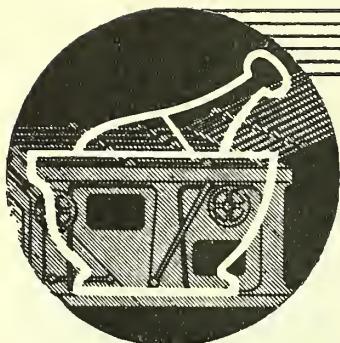
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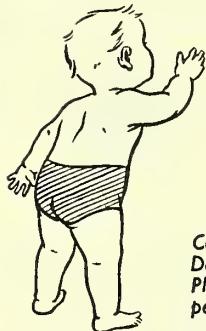
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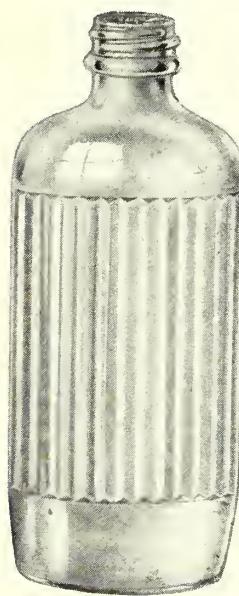
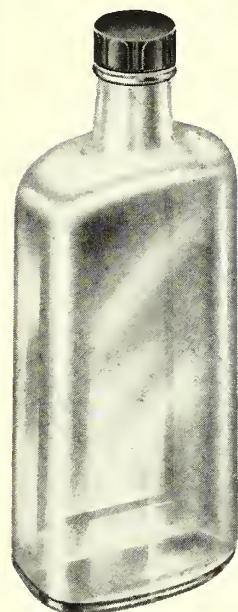
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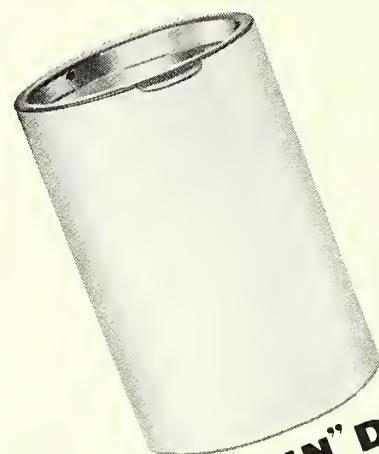
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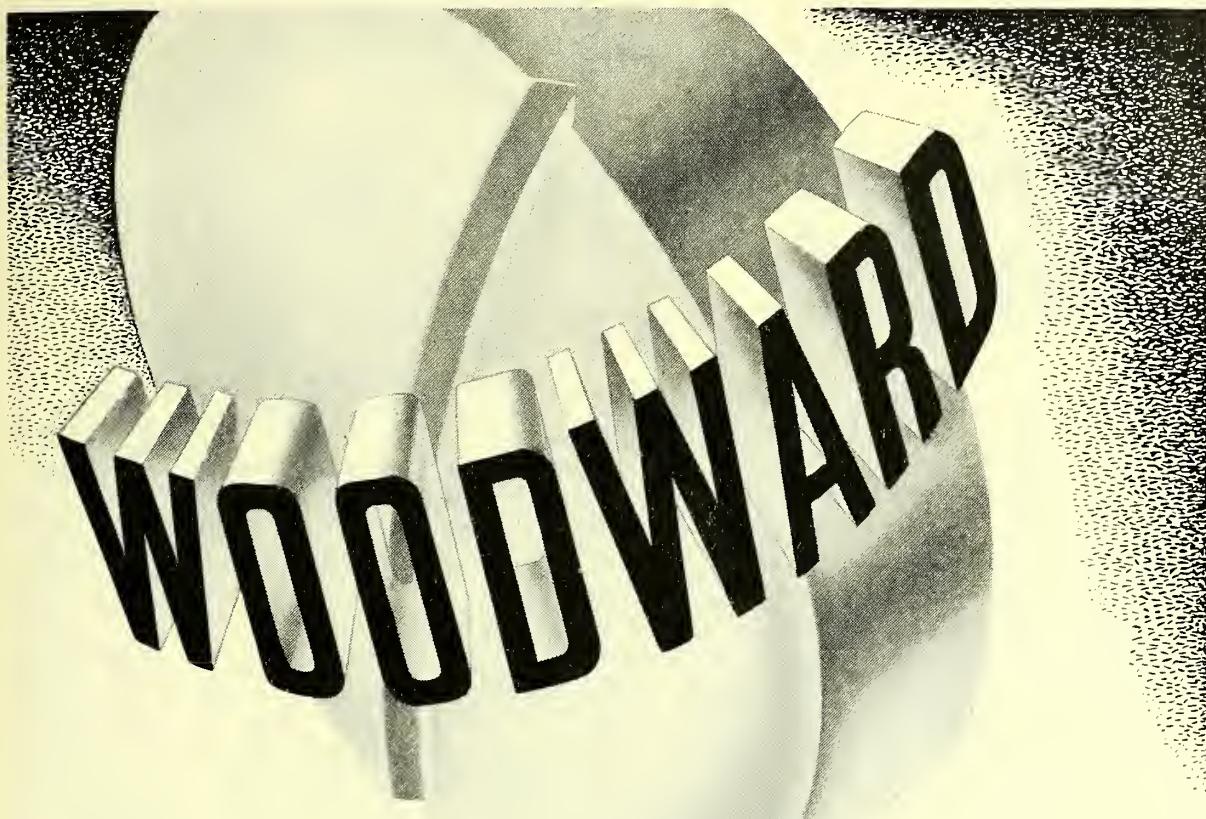
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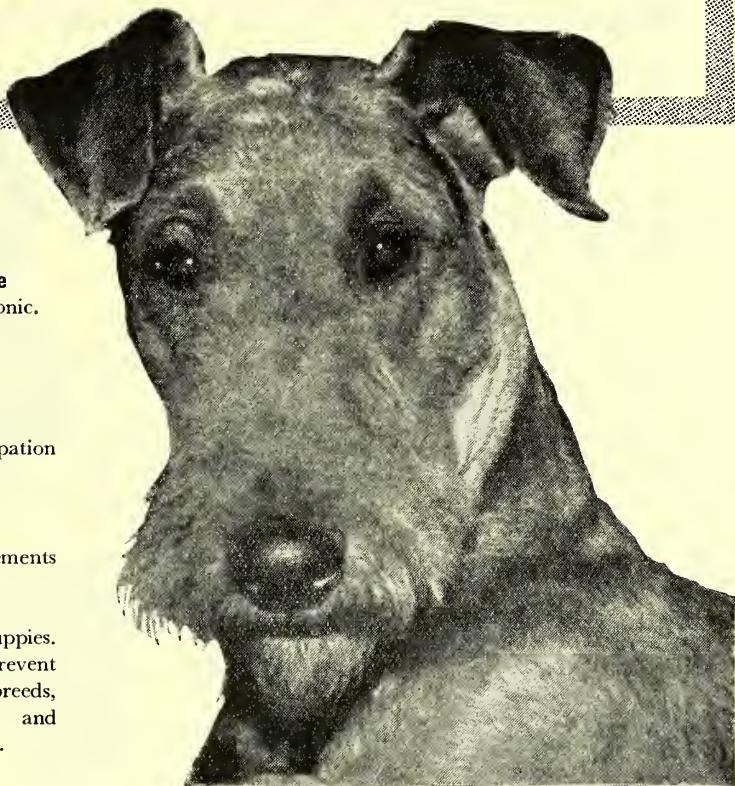
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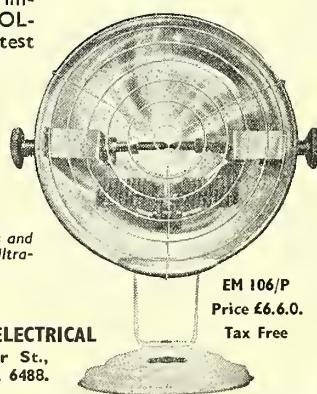
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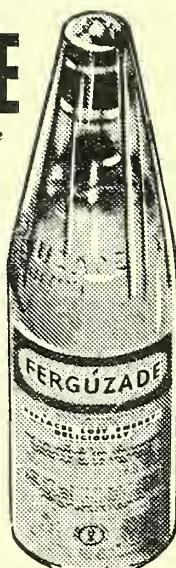
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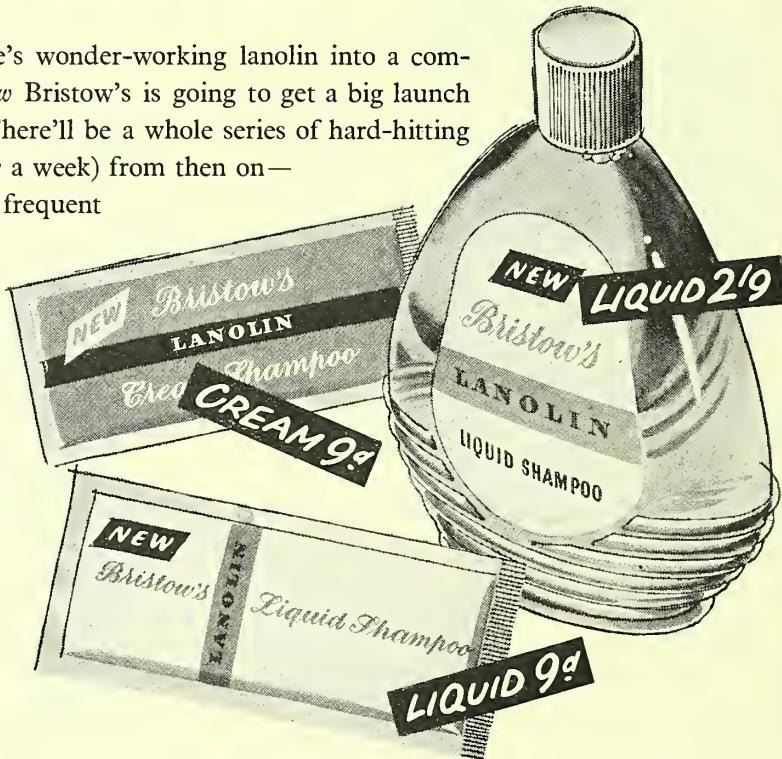
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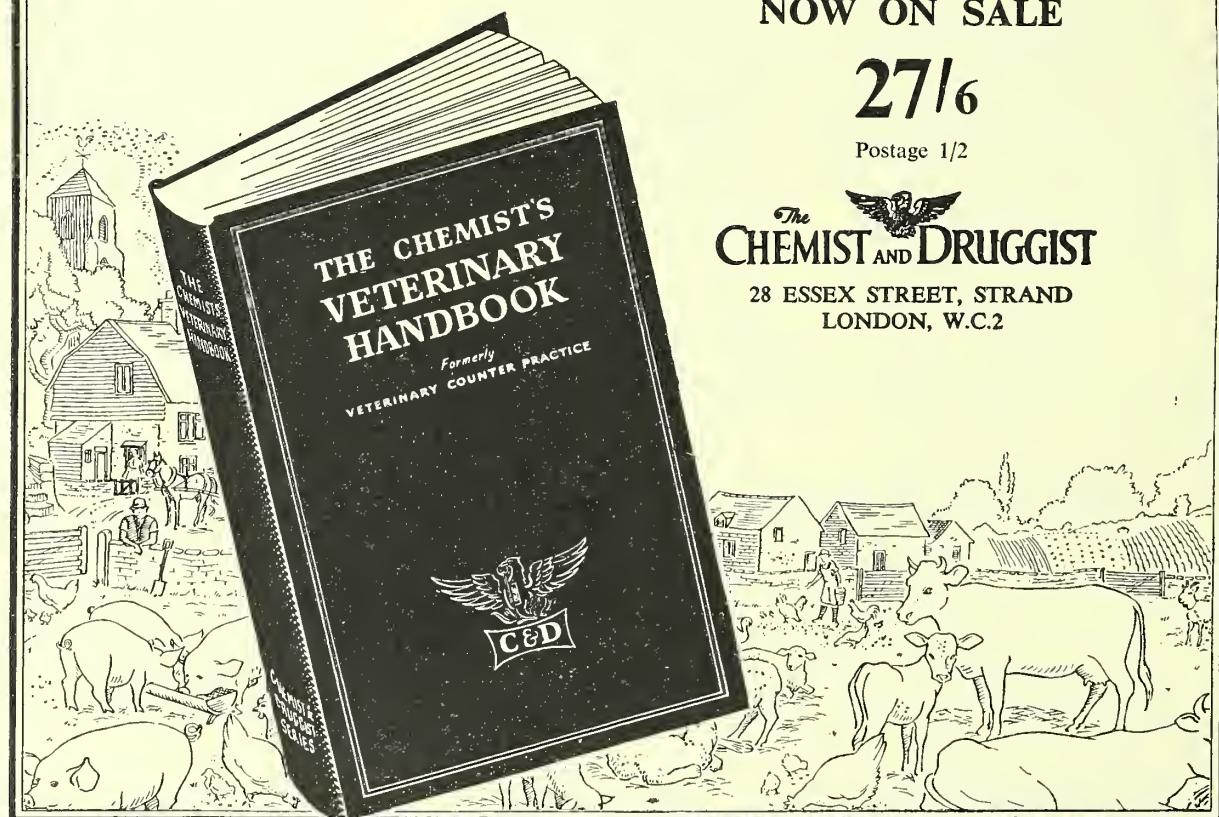
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